ORDER NO. ACED060503C3

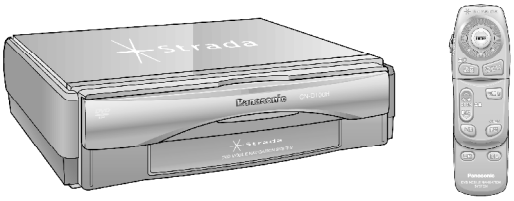
Service Manual

AUTOMOTIVE AFTERMARKET

DVD ROM™

CN-D105T

DVD Mobile Navigation System



Strada

SPECIFICATIONS

Specifications*

General	
Power Supply	DC 12V, Test Voltage 14.4V Negative Ground
Current Consumption	Less than 1.5A
Reception Frequency	1575.42 MHz
Reception Sensitivity	-130 dBm
Reception Method	Parallel 8 channels
Receiving Code	C/A Code
Channel System	Multichannel
Channels	8
GPS Satellites Received	8 max
Guide Map	Panasonic Original Format
Picture Output	RGB : Navigation screen / NTSC: 1.0 V [p-p], 75 Ω, RCA pin jack (Navigation screen)
Dimensions (W×H×D)**	178×50×161mm
Weight**	1.6 kg
GPS Antenna	
Type	Microstrip Planer
Cord lengths	6 m
Dimensions (W×H×D)**	34×13×38mm
Weight**	25 g (the cord and connector excluded)
Remote Control	
Batteries	R6PU × 2
Dimensions (W×H×D)**	44×40×142mm
Weight**	120 g (batteries included)
* Specifications and the design are subject to possible modification without notice due to improvements. ** Dimensions and Weight shown are approximate. ** Above specifications comply with EIA standards.	

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

1. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- **Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.**
- **Pb free solder will tend to splash when heated too high (about 1100°F/600°C)**
- **This lead free solder will be used for the products after serial No. 1,000,001.**

2. FEATURES

- **Detailed maps are used.**
- **Desired places can be registered.**
- **Notes / DVD audio and video are not supported by this unit. / This unit does not support all Video CD and CD formats.**

3. REPLACING THE FUSE

Use fuses of the same specified rating (5A, 3A). Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

4. MAINTENANCE

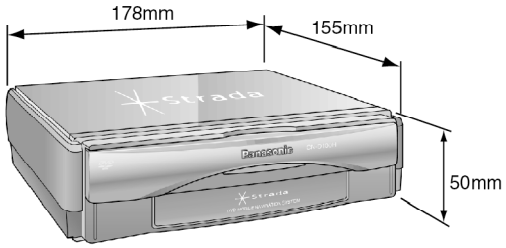
Your products is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

5. NOTES

[DVD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit

6. DIMENSIONS



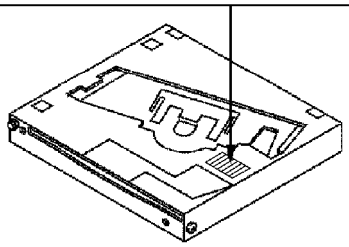
7. LASER PRODUCTS

CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.
Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

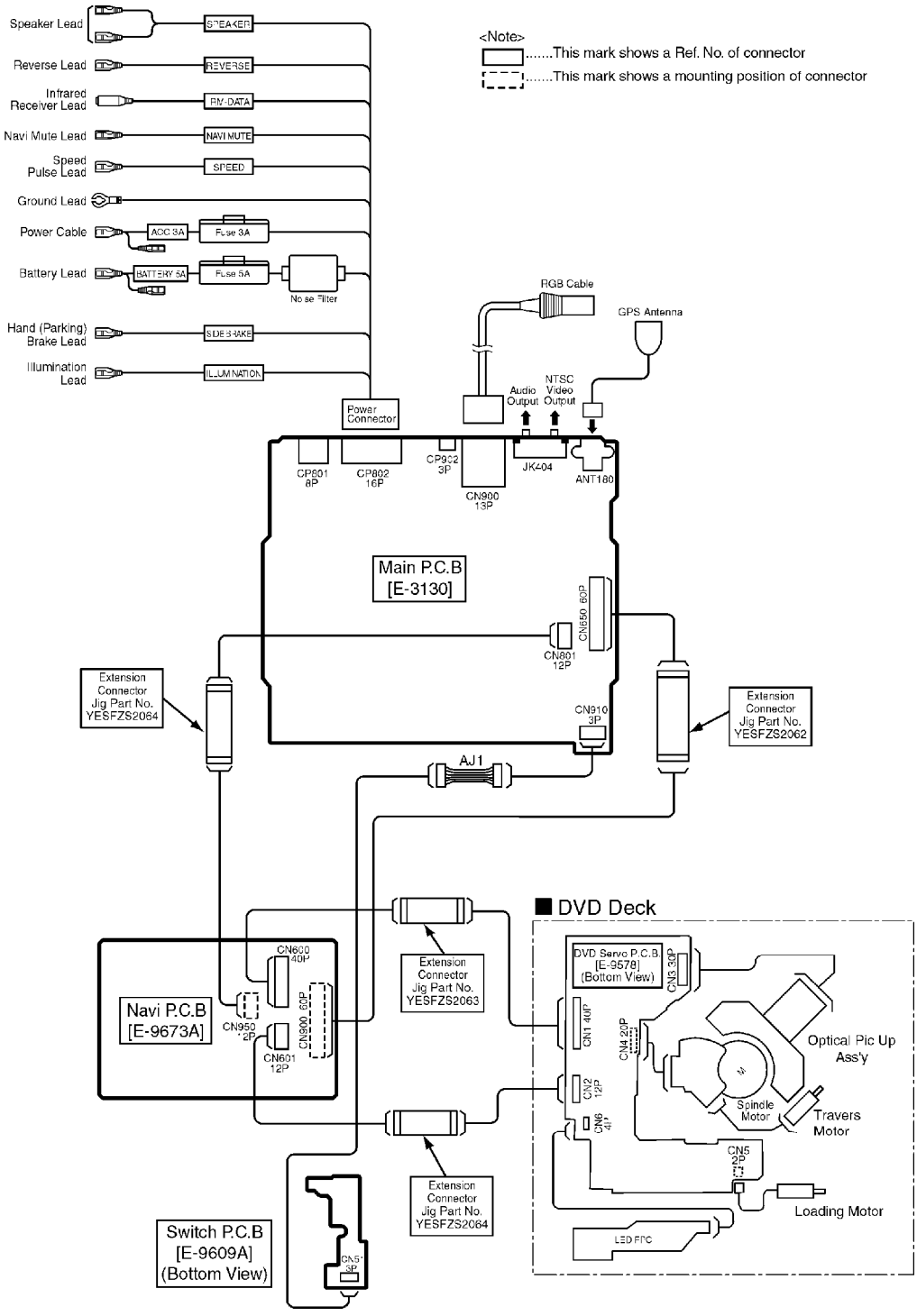
DANGER! Visible and invisible laser radiation when open. Avoid direct exposure to beam.



Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

8. WIRING CONNECTION



9. TERMINALS DESCRIPTION

9.1. Main Block

IC600 : C2CBKYY000239

Pin No.	Port	Description	I/O	(V)
1	NC	Remote control signal input	I	0
2	VOL.LVL (NC)	No Connection	-	-
3	NC	No Connection	-	-
4	NC	No Connection	-	-
5	NC	No Connection	-	-
6	BYTE	-	I	0
7	CNVSS	-	I	0
8	NC	No Connection	-	-
9	NC	No Connection	-	-
10	/RESET	System reset H:RESET OFF	I	3.2
11	XOUT	Main clock output	O	2.7
12	VSS	Ground	I	0
13	XIN	Main clock input	I	2.0
14	VCC1	Power Supply	I	3.3
15	/NMI	-	I	3.3
16	ACC.DET	Power Supply ACC Detection H FACC ON	I	3.4
17	BAT.DET	Power Supply +B Detection H: BATT ON	I	3.4
18	RMC IN	Remote control signal state input	I	0
19	IE. BUS. IN	-	I	3.4
20	ILRST	Abnormal reset flag to Nabis microcomputer L: Normal	O	0
21	ACC.DET.OUT	ACC ON fixation signal to Nabis microcomputer H: ACC ON	O	3.3
22	NC	No Connection	-	-
23	SYS.LATCH	Data fixation signal output to system power supply IC	O	3.3
24	SYS.DATA	Data signaling output to system power supply IC	O	3.3
25	SYS.CLK	Clock pulse output to system power supply IC	O	3.3
26	BEEP	BEEP Output	O	0
27	IE. BUS.IN	IE Bus Input	I	3.4
28	IE. BUS.OUT	IE Bus Output	O	0
29	DVD.TX	DVD4.5U start-stop data signaling output	O	0
30	DVD.RX	DVD4.5U start-stop data signaling input	O	0

Pin No.	Port	Description	I/O	(V)
31	SYS.STBY	System power supply start control	O	3.3
32	SYS.STBY2	System power supply internal regulator change signal H: External 5V	O	3.3
33	NAVI.RX	Data output for Nabis microcomputer communication	O	3.4
34	NAVI.TX	Data input for Nabis microcomputer communication	I	3.4
35	NC	No Connection	-	-
36	/ DVD.RESET (NC)	No Connection	-	-
37	WDT.ON	Customer engineer control with built-in RESET IC WDT H: WDT ON	O	3.3
38	WDT.CLK	Release signal with built-in RESET IC WDT	O	3.3
39	/ILL.DET	Vehicle ILL-SW detection H: ILL-SW	I	3.3
40	NC	No Connection	-	-
41	NC	No Connection	-	-
42	NC	No Connection	-	-
43	LED.CNT2 (NC)	No Connection	-	-
44	LED.CNT1	Insertion entrance LED control signal output 1 H: LED ON	O	3.3
45	EVOL2	Speech output attenuator control 2	O	0
46	EVOL1	Speech output attenuator control 1	O	0
47	ATTP0 (NC)	No Connection	-	-
48	NAVI MUTE	External monitor speech output control H:MUTE ON	O	0
49	STBY (NC)	No Connection	-	-
50	DAC.MUTE	Nabis voice guide MUTE control H:MUTE ON	O	3.2
51	S.MUTE.CANCEL (NC)	No Connection	-	-

Pin No.	Port	Description	I/O	(V)
52	NMUTE	MUTE to power amplifier H: MUTE ON	O	3.3
53	/ AUDIO.RST	Reset signal of RESET IC H: RESET OFF	O	3.3
54	AUDIO.NMI	Soft NM I-signal to RESET IC H: ACC ON	O	3.3
55	ACC.ON	AC C power supply ON fixation signal H: When set operates	O	3.3
56	ADPG	Set distinction since 1S/2S H: since 2S	I	0
57	TEST	Test mode signal detection H: TEST signal OFF	I	3.3
58	PKB	Parking brake signal detection H: Brake ON	I	3.3
59	TMC.RST	Reset output port for external RDS TMC equipment L: RESET	O	0
60	CVCC2	Power-supply voltage	I	3.3
61	NAVI DISP	NAVI display notification output signal	O	3.3
62	VSS	Ground	I	0
63	NC	No Connection	-	-
64	NC	No Connection	-	-
65	NC	No Connection	-	-
66	NC	No Connection	-	-
67	NC	No Connection	-	-
68	NC	No Connection	-	-
69	NC	Input for ACC voltage detection	I	1.5
70	THM	Input for ambient temperature detection with thermistor	I	1.4
71	VD.DOWN	Chroma IC: For 12C-BUS transmission timing detection	I	3.3
72	/ DVD.MUTE	DVD MUTE trigger input	I	3.4
73	OPEN.KEY	Lid OPEN state detection H: OPEN	I	0
74	NC	No Connection	-	-
75	NC	No Connection	-	-
76	SPD CNT	-	-	-
77	MAX (NC)	No Connection	-	-
78	NC	No Connection	-	-

Pin No.	Port	Description	I/O	(V)
79	NC	No Connection	-	-
80	NC	No Connection	-	-
81	ACONT2 (NC)	No Connection	-	-
82	ACONT1 (NC)	No Connection	-	-
83	RGB.MUTE (NC)	No Connection	-	-
84	NC	No Connection	-	-
85	VCONT2 (NC)	No Connection	-	-
86	VCONT1 (NC)	No Connection	-	-
87	NC	No Connection	-	-
88	NC	No Connection	-	-
89	NC	No Connection	-	-
90	NC	No Connection	-	-
91	CHROMA.CK (NC)	No Connection	-	-
92	CHROMA.DT	PseudoIC data signaling input for chroma IC& E2PROM control(for treatment device)	I	3.3
93	CHROMA.DO (NC)	No Connection	-	-
94	AVSS	Ground	O	0
95	WP (NC)	No Connection	-	-
96	VREF	Reference supply voltage input	-	3.3
97	AVCC	Power-supply voltage input	-	3.3
98	NC	No Connection	-	-
99	MAP.EJCT	MAP EJECT button depressing detection	I	3.3
100	NC	No Connection	-	-

9.2. DVD Servo Block

IC301 : MNPH60GAKUB

Pin No.	Port	Description	I/O	(V)
1	WAITODC	CPU bus control	I	3.4
2	NRE	CPU bus control	O	0
3	NEW	CPU bus control	O	3.2
4	(NC)	No Connection	-	-
5	/NFR0MCS	Flash ROM chip selection	O	1.4
6	NC	No Connection	-	-
7	NCS00CS	ODC chip selection	O	3.3
8	(NC)	No Connection	-	-
9	(NC)	No Connection	-	-
10	(NC)	No Connection	-	-
11	(NC)	No Connection	-	-
12	P57/ NWORD	Low fixation	I	0
13	A0	CPU address bus	O	0.7
14	A1	CPU address bus	O	1.5
15	A2	CPU address bus	O	1.7
16	A3	CPU address bus	O	1.8
17	3.3VDD	Connecting to power supply.	O	3.4
18	(NC)	No Connection	-	-
19	VSS	GND	-	0
20	SELF TEST	Drive test mode	I	3.3
21	(NC)	No Connection	-	-
22	3.3VDD	Connecting to power supply.	-	3.4
23	CPU CLOCK	Clock	I	0
24	(NC)	No Connection	-	-
25	MODE	Mode change	I	0
26	A4	CPU address bus	O	1.5
27	A5	CPU address bus	O	2.3
28	A6	CPU address bus	O	0.7
29	A7	CPU address bus	O	2.6
30	A8	CPU address bus	O	0.9
31	A9	CPU address bus	O	2.4
32	A10	CPU address bus	O	0.7
33	A11	CPU address bus	O	2.4
34	3.3VDD	Connecting to power supply.	-	3.4
35	A12	CPU address bus	O	0.9
36	A13	CPU address bus	O	0.9
37	A14	CPU address bus	O	0.6
38	A15	CPU address bus	O	0.6

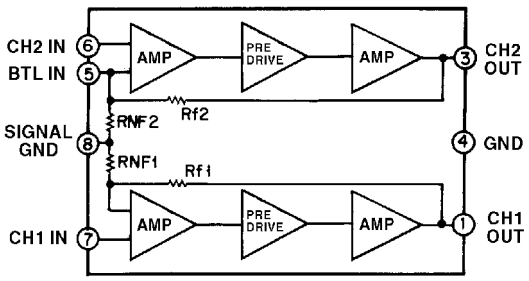
Pin No.	Port	Description	I/O	(V)
39	A16	CPU address bus	O	0.6
40	A17	CPU address bus	O	0.7
41	A18	CPU address bus	O	0.7
42	(NC)	No Connection	-	-
43	AVREFN	AVREFN	-	0
44	(NC)	No Connection	-	-
45	LOADING	Loading driver instruction value	O	1.7
46	INNER-SW	Photo SW	O	0
47	NFEPRST	FEP reset	O	3.3
48	(NC)	No Connection	-	-
49	(NC)	No Connection	-	-
50	(NC)	No Connection	-	-
51	3.3VDD	3.3VDD	I	3.4
52	(NC)	No Connection	-	-
53	(NC)	No Connection	-	-
54	VREFP	VREFP	-	3.4
55	(NC)	No Connection	-	-
56	(NC)	No Connection	-	-
57	(NC)	No Connection	-	-
58	(NC)	No Connection	-	-
59	LODSWON	Photo enable	O	0
60	LODSW	3.3VDD	I	3.4
61	VSS	GND	-	0
62	P94/AN0	-	I	0
63	P95/AN1	-	I	0
64	P96/AN2	-	I	0
65	P97/AN3	-	I	0.7
66	3.3VDD	Connecting to power supply.	-	3.4
67	EEPR0MCS	-	-	3.4
68	NFEPCS	Serial bus chip selection FEP	O	3.4
69	(NC)	No Connection	-	-
70	SCK	FEP and DAC serial i/f	O	3.4
71	SI	ADSC FEP EEPROM serial.	-	1.4
72	SO	ADSC FEP EEPROM serial.	O	3.4
73	PLL UP0	Pull-up	I	3.3
74	PLL UP1	Pull-up	O	3.3
75	/NMI	High fixation	I	3.4
76	NINTHOST	ATAPI interrupt	I	0
77	NINTODC	ODC interrupt	I	3.2

Pin No.	Port	Description	I/O	(V)
78	NINTDSC	ADSC interrupt	I	3.3
79	PA3/XR03	3.3VDD	I	3.4
80	XR04	3.3VDD	I	3.4
81	ADSEP	3.3VDD	-	3.4
82	/RST	System reset	I	3.3
83	3.3VDD	Connecting to power supply.	-	3.4
84	D0	CPU data bus	I/O	1.1
85	D1	CPU data bus	I/O	0.9
86	D2	CPU data bus	I/O	1.4
87	D3	CPU data bus	I/O	1.1
88	D4	CPU data bus	I/O	1.6
89	D5	CPU data bus	I/O	0.9
90	D6	CPU data bus	I/O	1.4
91	D7	CPU data bus	I/O	1.3
92	VSS	GND	-	0
93	D8	CPU data bus	I/O	1.6
94	D9	CPU data bus	I/O	1.5
95	D10	CPU data bus	I/O	1.8
96	D11	CPU data bus	I/O	1
97	D12	CPU data bus	I/O	1.8
98	D13	CPU data bus	I/O	1.8
99	D14	CPU data bus	I/O	2
100	D15	CPU data bus	I/O	1.9

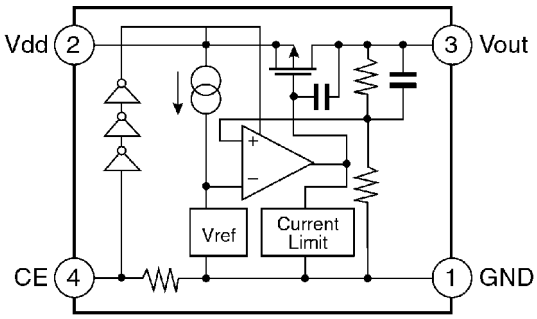
10. IC BLOCK DIAGRAM

10.1. Main Block

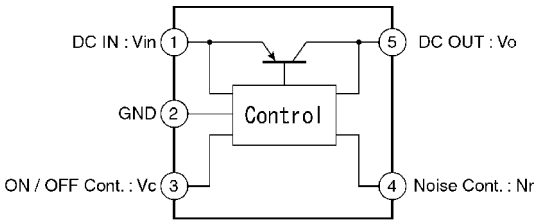
IC105 : C1BA00000472



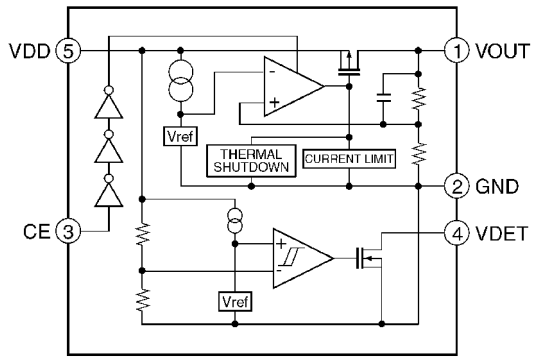
IC180 : C0CBCAA00006



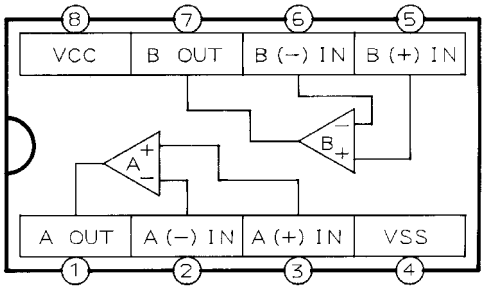
IC181 : C0CBCAD00008



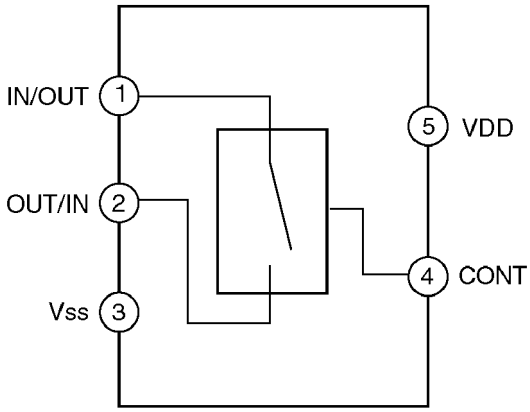
IC401 : C0DBFGD00025



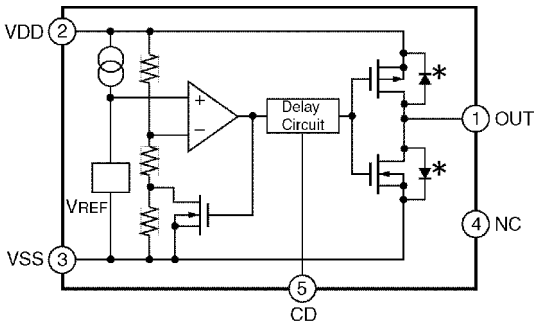
IC602 : C0ABBB000326



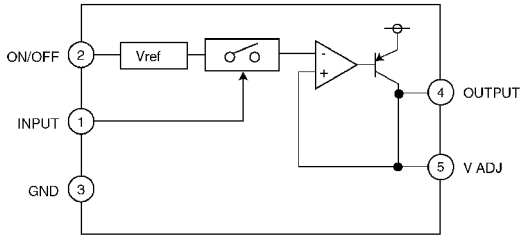
IC604 : C0JBAS000241



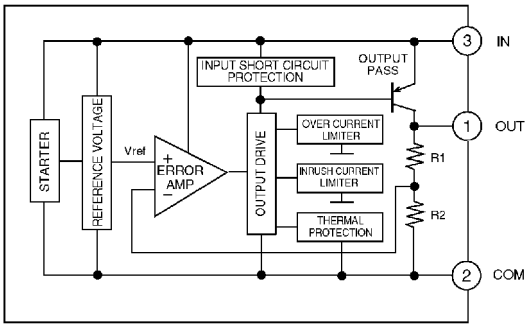
IC701 : C0EBC0000240



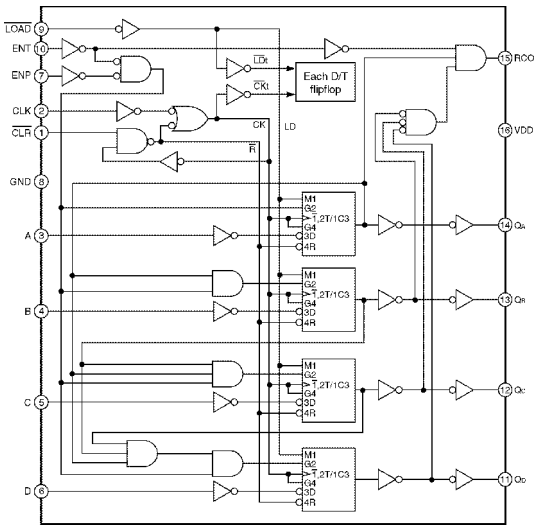
IC750 : C0DBEKG00001



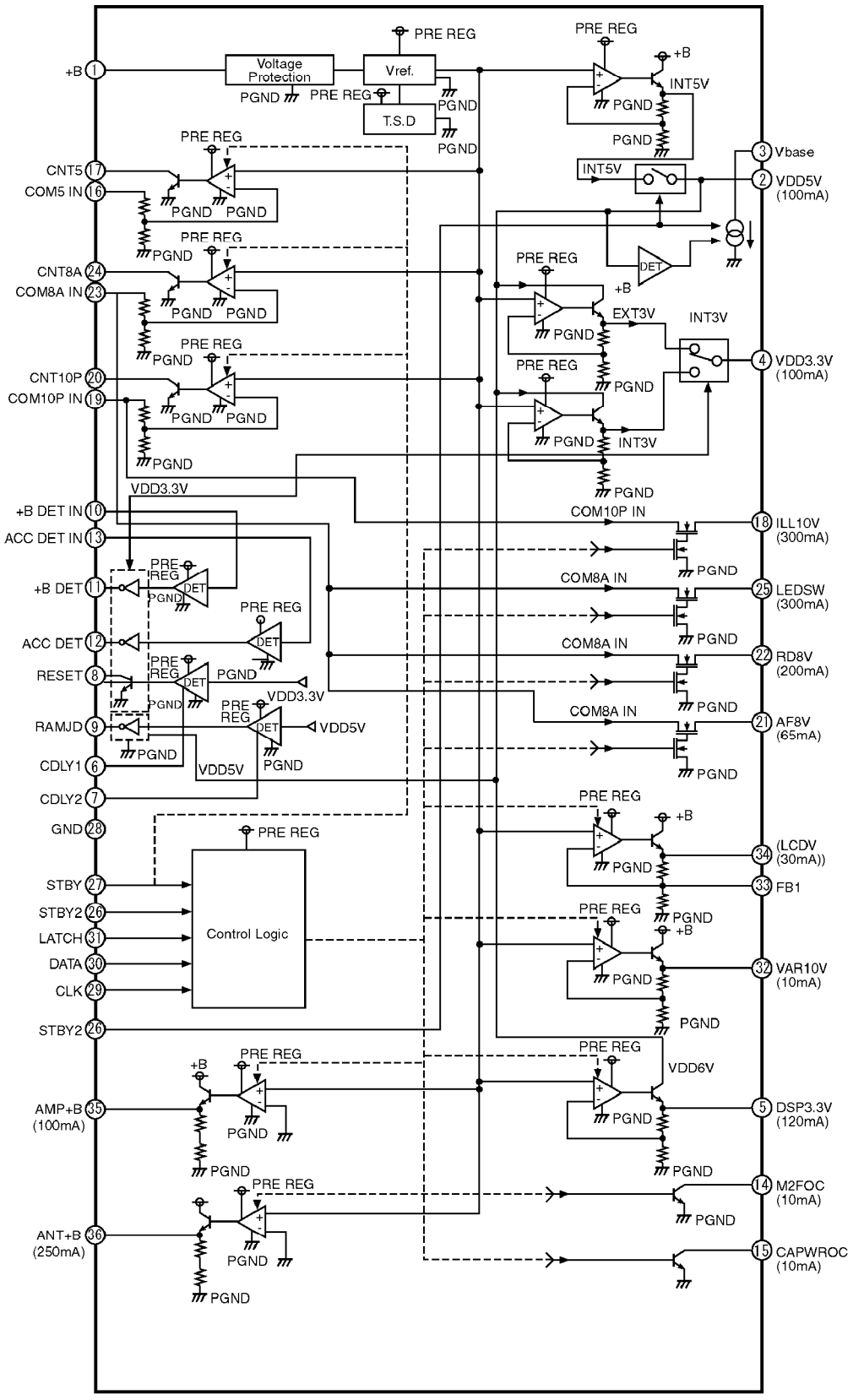
IC850, 851 : AN77L05M-E1



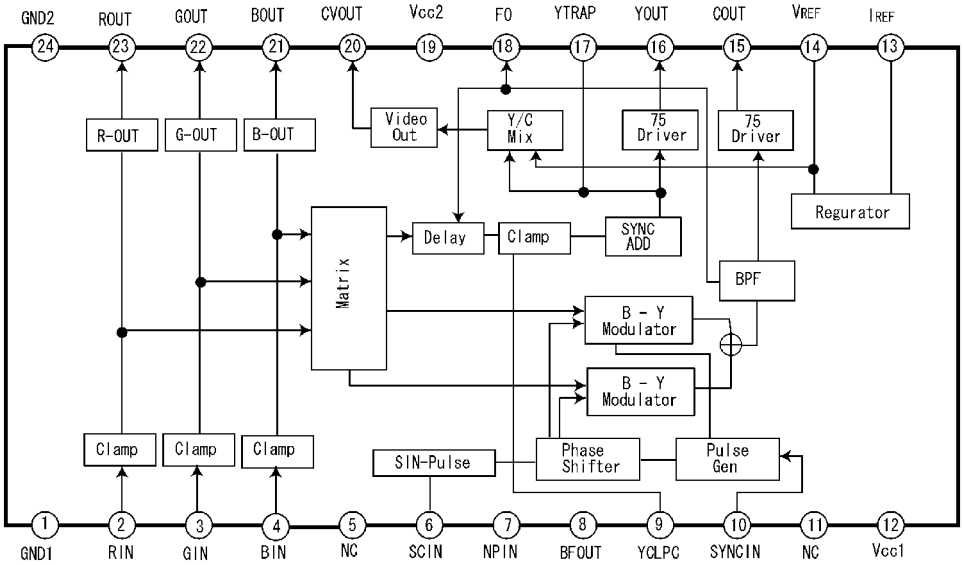
IC893 : C0JBAK000189



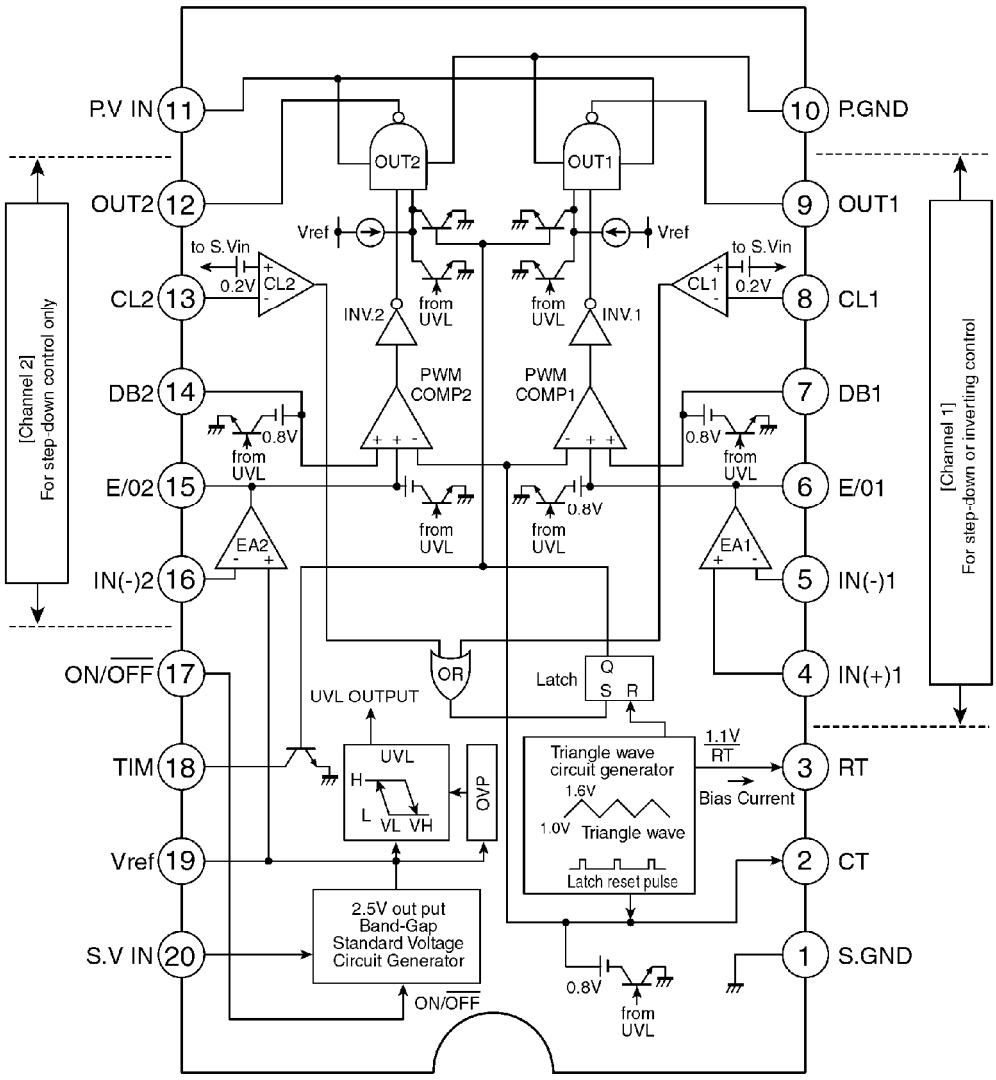
IC700 : C1EB00000082



IC830 : YEAMCXA1645M

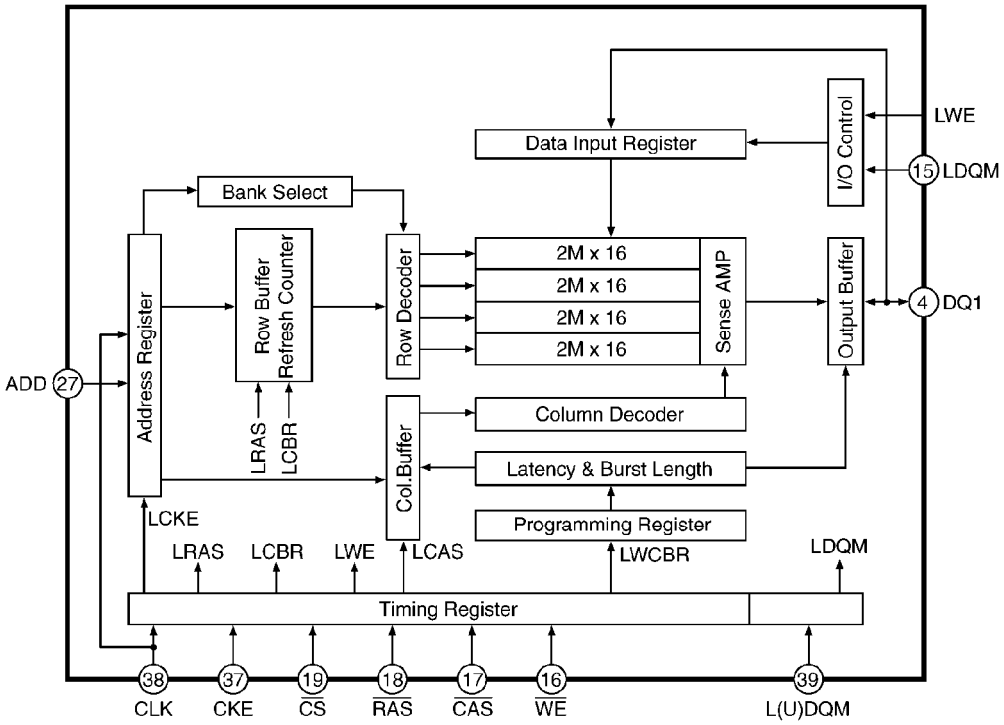


IC950 : C0DBAZC00016

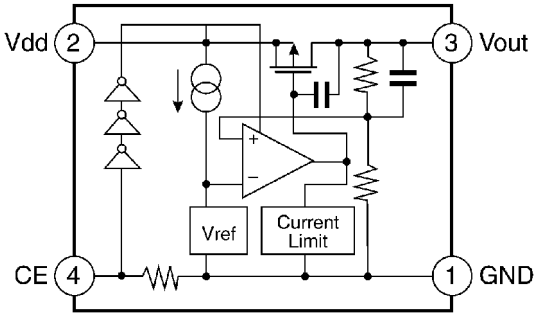


10.2. Navi Block

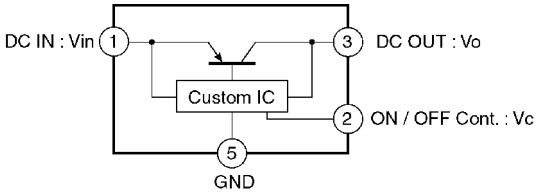
IC300, IC301 : C3ABQG000077



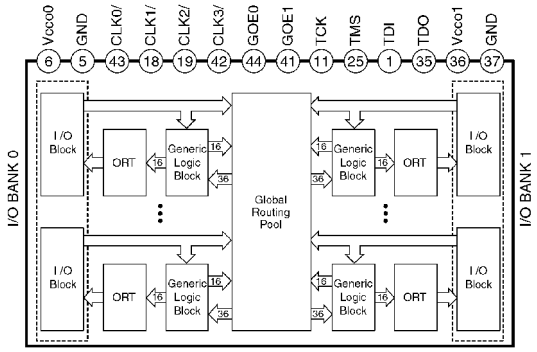
IC170 : C0CBABB00082



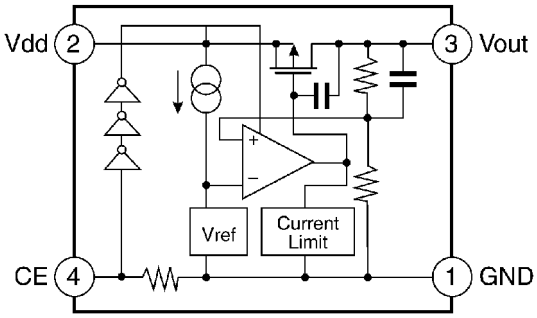
IC210 : C0DBFFH00006



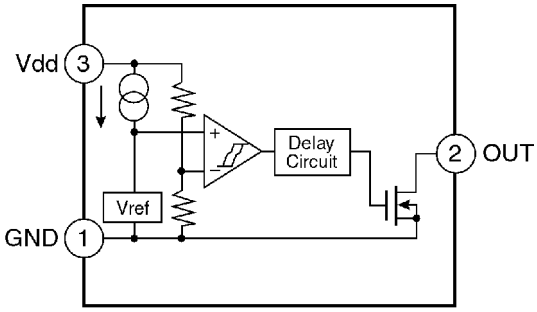
IC700 : C1ZBZ0003200



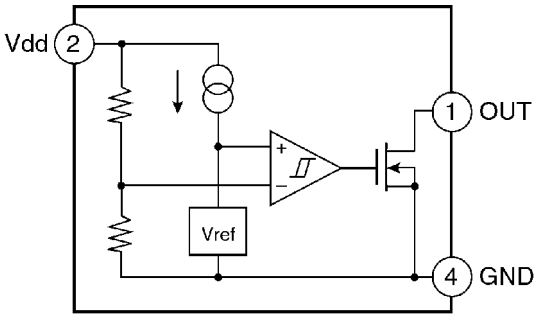
IC701 : C0CBAAC00153



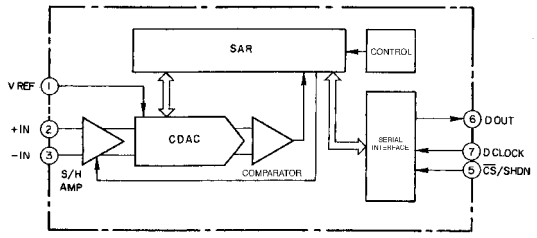
IC703 : C0EBE0000548



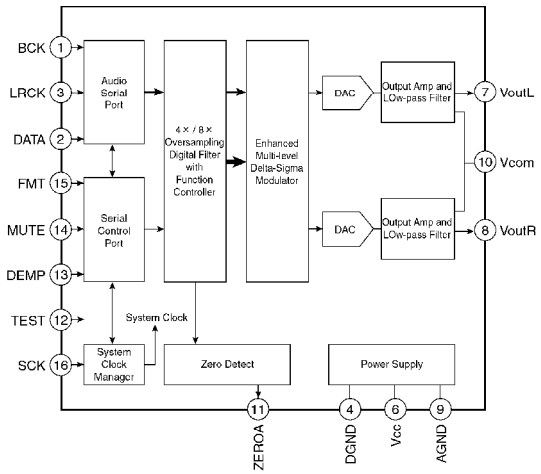
IC704 : C0EBF0000367



IC800 : C0FBAG000014

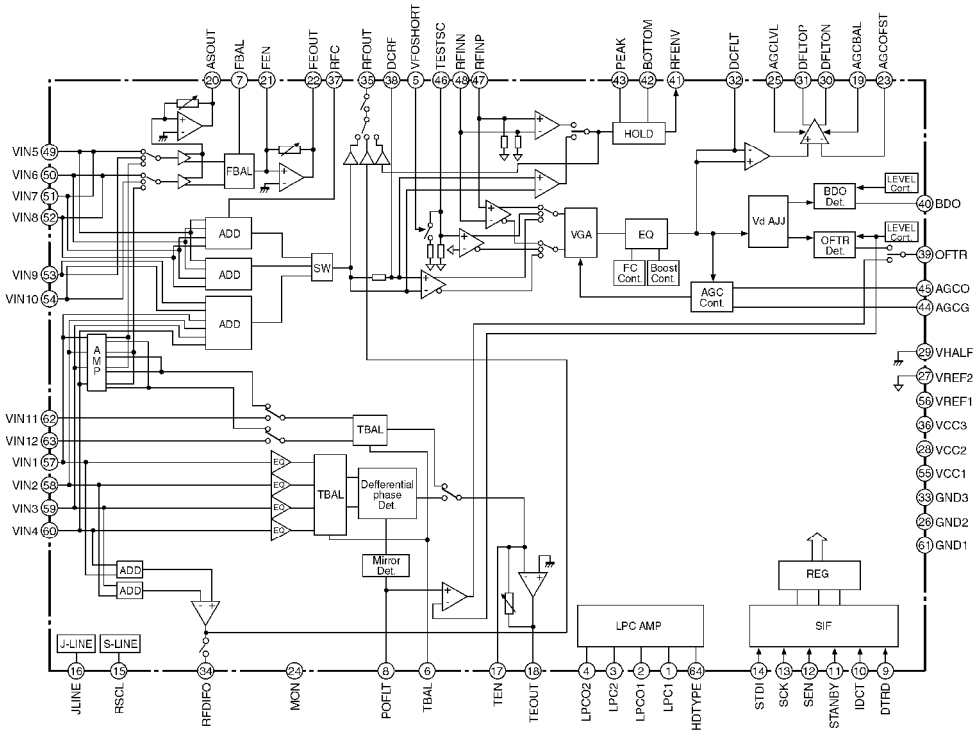


IC850 : C0FBBK000040

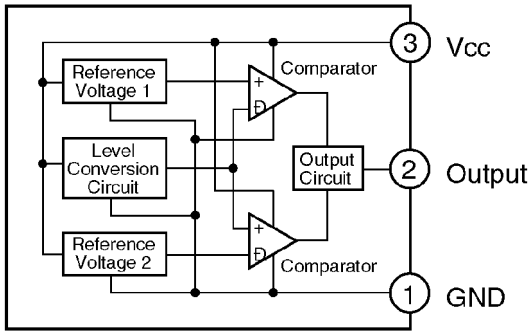


10.3. DVD Servo Block

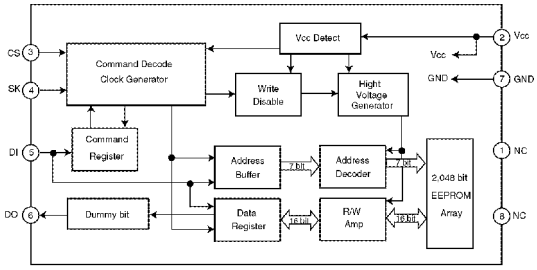
IC101 : AN8703FH-V



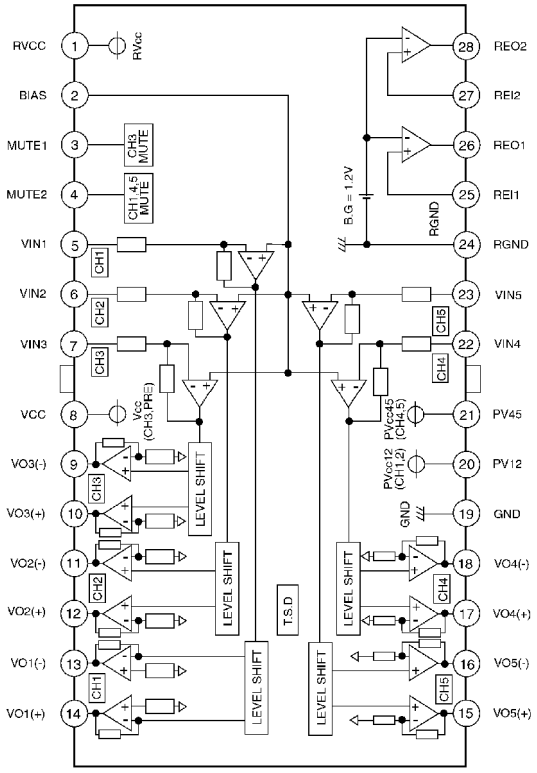
IC202 : MN13821JP



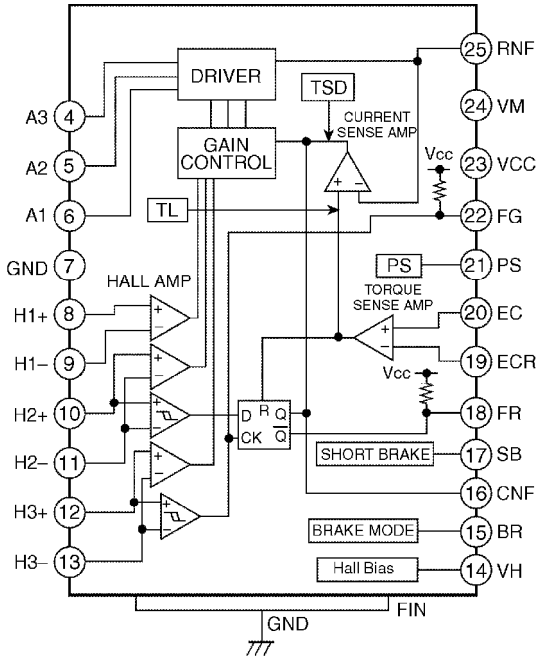
IC302 : C3EBDG000012



IC401 : C0GBY0000012



IC402 : C0GBH0000006



11. REPLACEMENT PARTS LIST

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[E3130] Main Block			
IC's AND TRANSISTORs			
IC100	C0ABBB000105	IC	
IC105	C1BA00000472	IC	
IC112	C0JBAB000629	IC	
IC180	C0CBCAA00006	IC	
IC181	C0CBCAD00008	IC	
IC401	C0DBFGD00025	IC	
IC600	C2CBYY000239	IC	
IC602	C0ABBB000326	IC	
IC603	C0JBAB000629	IC	
IC604	C0JBAS000241	IC	
IC631	C0JBAA000261	IC	
IC644	C0JBAB000629	IC	
IC652	EWTS84NH11	IC (Gyro Sensor)	
IC700	C1EB00000082	IC	
IC701	C0EBC0000240	IC	
IC750	C0DBEKG00001	IC	
IC806	C0JBAZ002097	IC	
IC807	C0JBAA000372	IC	
IC830	YEAMCXA1645M	IC	
IC850	AN77L05M-E1	IC	
IC851	AN77L05M-E1	IC	
IC870	C0ABFA000010	IC	
IC880	C0JBAF000593	IC	
IC893	C0JBAK000189	IC	
IC894	C0JBAB000675	IC	
IC895	C0JBCA000066	IC	
IC950	C0DBAZC00016	IC	
PTK180	YEP0PTG034A0	GPS Pack	
Q101	B1GDCFJJ0002	Transistor	
Q104	B1GDCFJJ0002	Transistor	
Q105	B1GBCFNN0009	Transistor	
Q106	B1ADCF000110	Transistor	
Q111	B1ABCF000021	Transistor	
Q311	B1ABCF000021	Transistor	
Q401	B1GBCFGG0011	Transistor	
Q402	B1GBCFGG0011	Transistor	
Q403	B1DHCC000038	Transistor	
Q600	B1GKCFJN0003	Transistor	
Q601	B1GBCFJJ0007	Transistor	
Q602	B1ADCF000110	Transistor	
Q603	B1ABCF000187	Transistor	
Q604	B1ABCF000187	Transistor	
Q605	B1HBCFA00005	Transistor	
Q606	B1GBCFNN0004	Transistor	
Q690	B1ABCF000021	Transistor	
Q691	B1GDCFJJ0002	Transistor	
Q700	B1BCDG000015	Transistor	
Q701	B1BCDG000015	Transistor	
Q702	B1BDDF000001	Transistor	
Q703	B1ADMB000003	Transistor	
Q704	B1GKCFJN0003	Transistor	
Q705	B1GKCFJN0003	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q751	B1GBJCEJ0003	Transistor	
Q753	B1GDCFLL0010	Transistor	
Q754	B1GBCFJJ0007	Transistor	
Q788	B1ABNC000005	Transistor	
Q802	YEANIMD3TKX	Transistor	
Q850	B1BBAC000014	Transistor	
Q896	B1ADCF000110	Transistor	
Q903	YEANIMD3TKX	Transistor	
Q950	B1DHED000008	Transistor	
Q970	B1DHED000008	Transistor	
DIODEs			
D102	MA3X152A0L	Diode	
D104	MA152WKTX	Diode	
D140	MA8056LMHTX	Diode	
D180	B0JCGD000002	Diode	
D401	B0JCGD000002	Diode	
D403	B0JCAE000001	Diode	
D605	MA3J14300L	Diode	
D606	MA3X152K0L	Diode	
D607	MA3J142E0L	Diode	
D608	MA3J14300L	Diode	
D609	B0BC018A0067	Diode	
D643	MA157TX	Diode	
D651	MA8056LMHTX	Diode	
D700	YEADRB081L20	Diode	
D701	YEADRB081L20	Diode	
D750	YEADRB081L20	Diode	
D801	MA153TX	Diode	
D802	MA153TX	Diode	
D803	MA153TX	Diode	
D814	B0ZAZ0000007	Diode	
D900	MA8056LMHTX	Diode	
D901	MA8056LMHTX	Diode	
D902	MA8056LMHTX	Diode	
D903	MA8056LMHTX	Diode	
D904	MA8056LMHTX	Diode	
D905	MAZ81800ML	Diode	
D906	MA8056LMHTX	Diode	
D908	B0ACCK000005	Diode	
D950	B0JCPD000002	Diode	
D971	B0JCPD000002	Diode	
D973	YEADRB051L40	Diode	
D974	MA8056LMHTX	Diode	
D975	MA8056LMHTX	Diode	
D976	B0BC02700025	Diode	
CAPACITORs			
C100	F1H1H104A783	Ceramic, 0.1 μ F 50WV	
C106	YECUU1A226ZF	Tantalum, 22 μ F 10WV	
C107	F2G1A101A094	Electrolytic, 100 μ F 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C109	F1H1H821A190	Ceramic, 820PF 50WV	
C111	F1H1H104A783	Ceramic, 0.1 μF 50WV	
C112	F1K0J2260004	Ceramic, 22 μF 6.3WV	
C113	F1H1H104A783	Ceramic, 0.1 μF 50WV	
C114	F1H1H104A783	Ceramic, 0.1 μF 50WV	
C115	YECUZ1H471KX	Ceramic, 470PF 50WV	
C116	F1H1H101A231	Ceramic, 100PF 50WV	
C147	EEEHA1C100R	Electrolytic, 10 μF 16WV	
C148	F2G1C221A119	Electrolytic, 220 μF 16WV	
C149	F1K1C1060001	Ceramic, 10 μF 16WV	
C150	EEEHA1C470P	Electrolytic, 47 μF 16WV	
C180	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C181	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C182	F1J1A2250004	Ceramic, 2.2 μF 10WV	
C183	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C184	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C204	YECUZ1H102KX	Ceramic, 1000PF 50WV	
C210	EEEHA1C100R	Electrolytic, 10 μF 16WV	
C311	YECUZ1H102KX	Ceramic, 1000PF 50WV	
C312	F1J1C274A006	Ceramic, 0.27 μF 16WV	
C320	F1K1A1060015	Ceramic, 10 μF 10WV	
C400	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C401	F1H1H104A783	Ceramic, 0.1 μF 50WV	
C402	F1H1H104A783	Ceramic, 0.1 μF 50WV	
C410	F4D35104A001	Electrolytic, 0.1 μF 3.5WV	
C411	EEEFC0J221P	Electrolytic, 220 μF 6.3WV	
C589	F1K1A1060015	Ceramic, 10 μF 10WV	
C600	F2G0J101A101	Electrolytic, 100 μF 6.3WV	
C602	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C603	YECUZ1A224KX	Ceramic, 0.22 μF 10WV	
C604	YECUZ1A224KX	Ceramic, 0.22 μF 10WV	
C606	YECUZ1H330JC	Ceramic, 33PF 50WV	
C607	F1H1C1040010	Ceramic, 0.1 μF 16WV	
C608	YECUZ1H561KX	Ceramic, 560PF 50WV	
C609	F1L1C1060018	Ceramic, 10 μF 16WV	
C610	F1H1C1040010	Ceramic, 0.1 μF 16WV	
C611	F1H1C1040010	Ceramic, 0.1 μF 16WV	
C623	F1H1C1040010	Ceramic, 0.1 μF 16WV	
C624	F2G0J101A101	Electrolytic, 100 μF 6.3WV	
C625	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C631	F1G1A1040006	Ceramic, 0.1 μF 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C635	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C636	F2G0J1010001	Electrolytic, 100 μF 6.3WV	
C644	F1G1E103A085	Ceramic, 0.01 μF 25WV	
C648	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C662	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C663	F1G1H120A566	Ceramic, 12PF 50WV	
C664	F1G1H100A565	Ceramic, 10PF 50WV	
C665	YECUZ1H472KX	Ceramic, 4700PF 50WV	
C669	F1H1C683A043	Ceramic, 0.068 μF 16WV	
C671	F1G1H101A566	Ceramic, 100PF 50WV	
C672	F1G1H101A566	Ceramic, 100PF 50WV	
C673	F1H1C683A043	Ceramic, 0.068 μF 16WV	
C674	F1G1H101A566	Ceramic, 100PF 50WV	
C675	F1G1H1020008	Ceramic, 1000PF 50WV	
C676	F1J1C1050013	Ceramic, 1 μF 16WV	
C690	F1H1H103A219	Ceramic, 0.01 μF 50WV	
C691	F1K1A1060015	Ceramic, 10 μF 10WV	
C692	F1J1C1050013	Ceramic, 1 μF 16WV	
C700	F1H0J2250007	Ceramic, 2.2 μF 6.3WV	
C701	F1H0J1050010	Ceramic, 1 μF 6.3WV	
C702	F1H0J2250007	Ceramic, 2.2 μF 6.3WV	
C709	F1J1C1050013	Ceramic, 1 μF 16WV	
C711	F1H1H3930001	Ceramic, 0.039 μF 50WV	
C712	F1G1H1020008	Ceramic, 1000PF 50WV	
C713	F1G1H1020008	Ceramic, 1000PF 50WV	
C715	F1K1A1060015	Ceramic, 10 μF 10WV	
C721	F1H1H3930001	Ceramic, 0.039 μF 50WV	
C722	F1H1H3930001	Ceramic, 0.039 μF 50WV	
C725	F2A1E102A716	Electrolytic, 1000 μF 25WV	
C726	EEEFC1C331P	Electrolytic, 330 μF 16WV	
C727	F1K1C1060001	Ceramic, 10 μF 16WV	
C728	F2G1A101A094	Electrolytic, 100 μF 10WV	
C729	F1K1C1060001	Ceramic, 10 μF 16WV	
C730	F1H0J2250007	Ceramic, 2.2 μF 6.3WV	
C744	F1H1H104A783	Ceramic, 0.1 μF 50WV	
C745	F1H1H104A783	Ceramic, 0.1 μF 50WV	
C746	F1J1E1050004	Ceramic, 1 μF 25WV	
C747	F2G1A101A094	Electrolytic, 100 μF 10WV	
C750	F1J1E1050004	Ceramic, 1 μF 25WV	
C751	YECUU1A226ZF	Ceramic, 22 μF 10WV	
C752	F1J1E1050004	Ceramic, 1 μF 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C787	EEEHA1C100R	Electrolytic, 10 μ F 16WV	
C788	F1J1E1050004	Ceramic, 1 μ F 25WV	
C789	F1H1H104A783	Ceramic, 0.1 μ F 50WV	
C801	YECUZ1H471KX	Ceramic, 470PF 50WV	
C802	YECUZ1H471KX	Ceramic, 470PF 50WV	
C803	F1H1H104A783	Ceramic, 0.1 μ F 50WV	
C806	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C807	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C810	YECUZ1H562KX	Ceramic, 5600PF 50WV	
C811	YECUZ1H562KX	Ceramic, 5600PF 50WV	
C816	EEE0JA471P	Electrolytic, 470 μ F 6.3WV	
C831	F1G1C1030008	Ceramic, 0.01 μ F 16WV	
C832	F2G1A101A090	Electrolytic, 100 μ F 10WV	
C833	F1G1H180A566	Ceramic, 18PF 50WV	
C834	F1K1A1060015	Ceramic, 10 μ F 10WV	
C835	F1H1C1040010	Ceramic, 0.1 μ F 16WV	
C836	F1H1C1040010	Ceramic, 0.1 μ F 16WV	
C837	F1K1A1060015	Ceramic, 10 μ F 10WV	
C841	F1H1H104A783	Ceramic, 0.1 μ F 50WV	
C842	F1H1H104A783	Ceramic, 0.1 μ F 50WV	
C843	F1H1H104A783	Ceramic, 0.1 μ F 50WV	
C852	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C853	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C854	F1K1A1060015	Ceramic, 10 μ F 10WV	
C855	EEEHA1C470P	Electrolytic, 47 μ F 16WV	
C856	EEE1CA101WP	Electrolytic, 100 μ F 16WV	
C857	YECUS1C334KX	Ceramic, 0.33 μ F 16WV	
C858	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C870	F1H1A1050019	Ceramic, 1 μ F 10WV	
C871	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C872	YECUZ1A224KX	Ceramic, 0.22 μ F 10WV	
C873	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C874	F1H1C1040010	Ceramic, 0.1 μ F 16WV	
C875	F1K1A1060015	Ceramic, 10 μ F 10WV	
C877	F1H1C1040010	Ceramic, 0.1 μ F 16WV	
C880	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C888	F1H1C1040010	Ceramic, 0.1 μ F 16WV	
C889	F1H1C1040010	Ceramic, 0.1 μ F 16WV	
C890	F1G1H470A565	Ceramic, 47PF 50WV	
C893	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C894	F1G1A1040006	Ceramic, 0.1 μ F 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C896	F1H1H1020010	Ceramic, 1000PF 50WV	
C897	F1H1H2220005	Ceramic, 2200PF 50WV	
C898	F1H1H2220005	Ceramic, 2200PF 50WV	
C899	F1G1H4710004	Ceramic, 470PF 50WV	
C901	F2A1E222B026	Electrolytic, 2200 μ F 25WV	
C902	F1H1H103A783	Ceramic, 0.01 μ F 50WV	
C903	F1H1H101A231	Ceramic, 100PF 50WV	
C904	F2G0J331A103	Electrolytic, 330 μ F 6.3WV	
C905	F2G0J331A103	Electrolytic, 330 μ F 6.3WV	
C906	F2G0J331A103	Electrolytic, 330 μ F 6.3WV	
C907	F2G0J331A103	Electrolytic, 330 μ F 6.3WV	
C908	F1L1C4750006	Ceramic, 4.7 μ F 16WV	
C909	F1L1C4750006	Ceramic, 4.7 μ F 16WV	
C910	F1H1H103A783	Ceramic, 0.01 μ F 50WV	
C911	F1H1H101A231	Ceramic, 100PF 50WV	
C912	F1H1H1020010	Ceramic, 1000PF 50WV	
C913	F1H1H1020010	Ceramic, 1000PF 50WV	
C915	YECUS2A103KX	Ceramic, 0.01 μ F 100WV	
C916	YECUS2A103KX	Ceramic, 0.01 μ F 100WV	
C917	F1K1H683A033	Ceramic, 0.068 μ F 50WV	
C950	F1G1E472A086	Ceramic, 4700PF 25WV	
C951	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C952	F1G1H182A571	Ceramic, 1800PF 50WV	
C953	F1K1A1060015	Ceramic, 10 μ F 10WV	
C954	EEEFK1C221XP	Electrolytic, 220 μ F 16WV	
C955	F1K1A1060015	Ceramic, 10 μ F 10WV	
C956	F1J0J4750001	Ceramic, 4.7 μ F 6.3WV	
C962	F2A1E222B026	Electrolytic, 2200 μ F 25WV	
C963	F2A1E222B026	Electrolytic, 2200 μ F 25WV	
C970	F1G1E472A086	Ceramic, 4700PF 25WV	
C971	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C972	F1G1H182A571	Ceramic, 1800PF 50WV	
C973	F1K1A1060015	Ceramic, 10 μ F 10WV	
C974	EEEFK1C221XP	Electrolytic, 220 μ F 16WV	
C975	F1K1A1060015	Ceramic, 10 μ F 10WV	
C985	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C986	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C987	YECUV1C225KX	Ceramic, 2.2 μ F 16WV	
C989	EEEFK1V101XP	Electrolytic, 100 μ F 35WV	
C990	F1L1C1060018	Ceramic, 10 μ F 16WV	
C991	F1L1C1060018	Ceramic, 10 μ F 16WV	
C992	F1G1E221A094	Ceramic, 220PF 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
RESISTORs			
J503	ERJ8GEY0R00	Chip, 0 Ω 1/8W	
R103	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R105	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R108	ERJ2GEJ152X	Chip, 1.5k Ω 1/16W	
R109	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	
R110	ERJ3GEYJ241V	Chip, 240 Ω 1/16W	
R111	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	
R112	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	
R113	ERJ3GEYJ202V	Chip, 2k Ω 1/16W	
R114	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R115	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R116	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R117	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R118	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R120	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R121	ERJ6GEYJ274	Chip, 270k Ω 1/10W	
R122	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R180	ERJ2GEJ681X	Chip, 680 Ω 1/16W	
R181	D0GA202JA001	Metal Glaze, 2k Ω 1/32W	
R182	ERJ2GEJ681X	Chip, 680 Ω 1/16W	
R183	D0GA202JA001	Metal Glaze, 2k Ω 1/32W	
R184	D0GA472JA001	Metal Glaze, 4.7k Ω 1/32W	
R199	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R204	ERJ2GEJ472X	Chip, 4.7k Ω 1/16W	
R205	ERJ2GEJ512X	Chip, 5.1k Ω 1/16W	
R206	ERJ2GEJ223X	Chip, 22k Ω 1/16W	
R213	ERJ3GEYJ224V	Chip, 220k Ω 1/16W	
R312	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R314	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R315	ERJ3GEYJ822V	Chip, 8.2k Ω 1/16W	
R316	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R317	ERJ6GEYJ181	Chip, 180 Ω 1/10W	
R318	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R401	D0GA472JA001	Metal Glaze, 4.7k Ω 1/32W	
R402	D0GA473JA001	Metal Glaze, 47k Ω 1/32W	
R410	ERJ14YJ120H	Chip, 12 Ω 1/4W	
R600	ERA3YEB103V	Metal Oxide, 10k Ω 1/16W	
R603	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R604	ERJ2GEJ222X	Chip, 2.2k Ω 1/16W	
R605	ERJ2GEJ472X	Chip, 4.7k Ω 1/16W	
R606	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R609	ERJ2GEJ472X	Chip, 4.7k Ω 1/16W	
R610	ERJ2GEJ103X	Chip, 10k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R611	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R612	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R613	ERJ3GEYJ471V	Chip, 470 Ω 1/16W	
R614	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R615	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R616	ERJ2GEJ122X	Chip, 1.2k Ω 1/16W	
R617	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R618	ERJ2GEJ564X	Chip, 560k Ω 1/16W	
R620	ERJ2GEJ684X	Chip, 680k Ω 1/16W	
R621	ERJ2GEJ104X	Chip, 100k Ω 1/16W	
R622	ERJ2GEJ823X	Chip, 82k Ω 1/16W	
R623	ERJ2GEJ474X	Chip, 470k Ω 1/16W	
R624	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R625	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R626	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R627	ERJ2GEJ472X	Chip, 4.7k Ω 1/16W	
R629	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R630	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R631	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R633	ERJ2GEJ104X	Chip, 100k Ω 1/16W	
R634	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R635	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R637	ERJ2GEJ104X	Chip, 100k Ω 1/16W	
R638	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R639	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R640	ERJ2GEJ223X	Chip, 22k Ω 1/16W	
R641	ERJ2GEJ223X	Chip, 22k Ω 1/16W	
R642	ERJ2GEJ204X	Chip, 200k Ω 1/16W	
R644	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R645	ERJ2GEJ104X	Chip, 100k Ω 1/16W	
R646	ERJ2GEJ223X	Chip, 22k Ω 1/16W	
R647	ERJ2GEJ684X	Chip, 680k Ω 1/16W	
R648	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R650	ERJ2GEJ104X	Chip, 100k Ω 1/16W	
R651	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R654	ERJ2GEJ104X	Chip, 100k Ω 1/16W	
R656	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R657	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R675	ERJ2GEJ104X	Chip, 100k Ω 1/16W	
R679	ERJ3RBD822V	Metal Glaze, 8.2k Ω 1/16W	
R680	ERJ3RBD122V	Metal Glaze, 1.2k Ω 1/16W	
R690	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R691	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	
R692	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R693	ERJ3GEYJ561V	Chip, 560 Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R700	ERJ3RBD273V	Metal Glaze, 27k Ω 1/16W	
R702	ERJ3RBD472V	Metal Glaze, 4.7k Ω 1/16W	
R704	ERJ3GEYJ1R0V	Chip, 1 Ω 1/16W	
R705	ERJ3GEYJ1R0V	Chip, 1 Ω 1/16W	
R707	ERJ3GEYJ1R0V	Chip, 1 Ω 1/16W	
R708	ERJ3RBD682V	Metal Glaze, 6.8k Ω 1/16W	
R709	ERJ3RBD273V	Metal Glaze, 27k Ω 1/16W	
R710	ERJ3RED274V	Metal Film, 270k Ω 1/16W	
R711	ERJ3RHD4752V	Chip, 47.5k Ω 1/16W	
R712	ERJ3RBD753V	Metal Glaze, 75k Ω 1/16W	
R713	ERJ3EKF2802V	Carbon, 28k Ω 1/16W	
R715	ERJ6GEYJR47V	Chip, 0.47 Ω 1/10W	
R716	ERJ6GEYJR47V	Chip, 0.47 Ω 1/10W	
R717	ERJ6GEYJR47V	Chip, 0.47 Ω 1/10W	
R718	ERJ3GEYJ1R0V	Chip, 1 Ω 1/16W	
R753	ERJ6GEYJ220	Chip, 22 Ω 1/10W	
R755	ERJ3RBD272V	Metal Glaze, 2.7k Ω 1/16W	
R756	ERJ3EKF2202V	Carbon, 22k Ω 1/16W	
R801	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R802	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R803	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R812	ERJ2GEJ101X	Chip, 100 Ω 1/16W	
R813	ERJ2GEJ104X	Chip, 100k Ω 1/16W	
R816	ERJ6GEYJ750V	Chip, 75 Ω 1/10W	
R833	ERJ2GEJ203X	Chip, 20k Ω 1/16W	
R835	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R836	ERJ2GEJ221X	Chip, 220 Ω 1/16W	
R837	ERJ2GEJ221X	Chip, 220 Ω 1/16W	
R838	ERJ2GEJ221X	Chip, 220 Ω 1/16W	
R853	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R854	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R856	ERJ6GEYJ152	Chip, 1.5k Ω 1/10W	
R870	ERJ3GEYJ331V	Chip, 330 Ω 1/16W	
R871	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R872	ERJ2GEJ392X	Chip, 3.9k Ω 1/16W	
R873	ERJ2GEJ220X	Chip, 22 Ω 1/16W	
R874	ERJ2GEJ101X	Chip, 100 Ω 1/16W	
R876	ERJ2GEJ151X	Chip, 150 Ω 1/16W	
R877	ERJ2GEJ151X	Chip, 150 Ω 1/16W	
R878	ERJ3GEYJ680V	Chip, 68 Ω 1/16W	
R880	ERJ2GEJ220X	Chip, 22 Ω 1/16W	
R893	ERJ2GEJ221X	Chip, 220 Ω 1/16W	
R894	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R895	ERJ2GEJ222X	Chip, 2.2k Ω 1/16W	
R896	ERJ2GEJ222X	Chip, 2.2k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R898	ERJ2GEJ221X	Chip, 220 Ω 1/16W	
R902	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R903	ERJ2GEJ222X	Chip, 2.2k Ω 1/16W	
R904	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R906	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R907	ERJ3GEYJ102V	Chip, 1k Ω 1/16W	
R910	ERJ6GEYJ750V	Chip, 75 Ω 1/10W	
R911	ERJ6GEYJ750V	Chip, 75 Ω 1/10W	
R912	ERJ6GEYJ750V	Chip, 75 Ω 1/10W	
R913	ERJ6GEYJ750V	Chip, 75 Ω 1/10W	
R950	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R951	ERJ2GEJ204X	Chip, 200k Ω 1/16W	
R952	ERJ2GEJ273X	Chip, 27k Ω 1/16W	
R953	ERJ2GEJ683X	Chip, 68k Ω 1/16W	
R955	ERJ2GEJ101X	Chip, 100 Ω 1/16W	
R956	D1BDR0470001	Chip, 0.04 Ω 1/8W	
R957	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R958	ERJ3RBD223V	Metal Glaze, 22k Ω 1/16W	
R959	ERJ3RBD243V	Metal Glaze, 24k Ω 1/16W	
R970	ERJ2GEJ204X	Chip, 200k Ω 1/16W	
R971	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R972	ERJ2GEJ273X	Chip, 27k Ω 1/16W	
R973	ERJ2GEJ683X	Chip, 68k Ω 1/16W	
R975	ERJ2GEJ101X	Chip, 100 Ω 1/16W	
R976	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R977	D1BDR0470001	Chip, 0.04 Ω 1/8W	
R978	ERJ3RBD223V	Metal Glaze, 22k Ω 1/16W	
R979	ERJ3EKF7502V	Carbon, 75k Ω 1/16W	
R980	ERJ3RBD511V	Metal Glaze, 510 Ω 1/16W	
R981	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R985	ERJ2GEJ821X	Chip, 820 Ω 1/16W	
R987	ERJ6GEYJ470	Chip, 47 Ω 1/10W	
R993	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R994	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R995	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R996	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
CONNECTORs			
CN650	K1MN60AA0044	Connector, 60P	
CN801	K1MN12AA0058	Connector, 12P	
CN900	YEAE012238	Connector, 13P	
CN902	K1KA03BA0086	Connector, 3P	
CN910	K1KA03AA0230	Connector, 3P	
CP801	YEAE012733	Connector, 8P	
CP802	K1FA116B0036	Connector, 16P	
JK404	K2HA204B0011	Jack	

Ref. No.	Part No.	Part Name & Description	Remarks
COILs			
L180	YELTBLM21P3S	Coil	
L310	YELTBLM1A601	Coil	
L600	G1C101JA0036	Coil	
L601	G1C101JA0036	Coil	
L801	J0JGC0000035	Coil	
L802	J0JGC0000035	Coil	
L803	J0JGC0000035	Coil	
L804	YELTBLM21P3S	Coil	
L806	YELTBLM1A601	Coil	
L807	YELTBLM1A601	Coil	
L808	YELTBLM1A601	Coil	
L809	YELTBLM1A601	Coil	
L810	YELTBMHS800T	Coil	
L811	YELTBLM1A601	Coil	
L817	YELTBLM1A601	Coil	
L819	YELTBLM1A601	Coil	
L822	YELTBLM1A601	Coil	
L823	YELTBLM1A601	Coil	
L825	YELTBLM1A601	Coil	
L830	G1C101KA0057	Coil	
L870	G1C330JA0036	Coil	
L871	J0JGC0000035	Coil	
L872	J0JGC0000035	Coil	
L873	J0JGC0000035	Coil	
L874	J0JGC0000035	Coil	
L900	YELTBLM2B601	Coil	
L901	YELTBLM2B601	Coil	
L902	YELTBLM2B601	Coil	
L903	YELTBLM2B601	Coil	
L904	YELTBLM2B601	Coil	
L905	YELTBLM2B601	Coil	
L906	YELTBLM2B601	Coil	
L910	G0A141H00004	Coil	
L911	YELTBLM2B601	Coil	
L912	YELTBLM2B601	Coil	
L950	J0JHC0000005	Coil	
L951	J0JHC0000005	Coil	
L952	G1A220J00002	Coil	
L970	J0JHC0000005	Coil	
L971	J0JHC0000005	Coil	
L972	G1A220J00002	Coil	
L973	G1A100H00008	Coil	
R659	J0JAC0000052	Coil	
R664	J0JAC0000052	Coil	
R665	J0JAC0000052	Coil	
R666	J0JAC0000052	Coil	
CRYSTALs			
XL600	H0J150500002	Crystal Oscillator	
XL875	H1A3574B0004	Crystal Oscillator	

Ref. No.	Part No.	Part Name & Description	Remarks
FILTERs			
FB900	YECCL39R222T	EMI Filter	
FL800	J0HAAB000018	Filter	
L672	J0MAB0000015	Filter	
THERMISTORs			
RT600	D4CC11030023	Thermistor	
VS3	D4FB1R500007	Thermistor	
NETWORK CAPACITOR			
CA650	F5A421040002	Network Capacitor	
[E9609A] Switch Block			
CONNECTOR			
CN51	K1KA03AA0230	Connector, 3P	
SWITCHes			
SW51	K0H1BA000285	Switch	
SW52	K0L1BA000022	Switch	
[E9673A] Navi Block			
IC's AND TRANSISTORs			
IC100	C1EB00000107	IC	
IC170	C0CBABB00082	IC	
IC210	C0DBFFH00006	IC	
IC300	C3ABQG000077	IC	
IC301	C3ABQG000077	IC	
IC320	C0JBAA000319	IC	
IC350	YERMBP0006	IC	
IC700	C1ZBZ0003200	IC	
IC701	C0CBAAC00153	IC	
IC702	C0JBAB000422	IC	
IC703	C0EBE0000548	IC	
IC704	C0EBF0000367	IC	
IC705	C0JBAZ001961	IC	
IC706	C0JBAB000422	IC	
IC707	C0JBAZ002062	IC	
IC708	C0JBAZ001961	IC	
IC800	C0FBAG000014	IC	
IC850	C0FBBK000040	IC	
DIODE			
D210	B0ACCK000005	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
CAPACITORs			
C101	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C102	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C103	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C104	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C105	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C106	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C107	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C108	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C109	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C110	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C111	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C112	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C113	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C114	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C120	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C121	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C122	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C123	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C124	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C125	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C126	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C127	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C128	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C129	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C130	F1J0J106A014	Ceramic, 10 μF 6.3WV	
C131	F1J0J106A014	Ceramic, 10 μF 6.3WV	
C132	F1J0J106A014	Ceramic, 10 μF 6.3WV	
C133	F1J0J106A014	Ceramic, 10 μF 6.3WV	
C134	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C135	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C136	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C137	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C138	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C139	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C140	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C141	F1G1A104A014	Ceramic, 0.1 μF 10WV	
C142	F1G1A104A014	Ceramic, 0.1 μF 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C143	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C144	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C145	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C150	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C151	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C152	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C153	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C154	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C155	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C156	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C157	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C158	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C159	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C160	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C170	F1G1H7R00008	Ceramic, 7PF 50WV	
C171	F1G1H7R00008	Ceramic, 7PF 50WV	
C172	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C173	F1G1H150A566	Ceramic, 15PF 50WV	
C174	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C175	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C176	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C177	F1K0J2260004	Ceramic, 22 μ F 6.3WV	
C178	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C179	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C180	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C181	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C182	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C183	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C191	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C192	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C193	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C194	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C195	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C196	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C197	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C198	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C199	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C200	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C201	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C202	F1G1A104A014	Ceramic, 0.1 μ F 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C203	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C204	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C210	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C211	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C212	F1K0G4760001	Ceramic, 47 μ F 4WV	
C213	F1K0J2260004	Ceramic, 22 μ F 6.3WV	
C300	F1H0J2250007	Ceramic, 2.2 μ F 6.3WV	
C301	F1G1H120A566	Ceramic, 12PF 50WV	
C302	F1G1H120A566	Ceramic, 12PF 50WV	
C303	F1G1H120A566	Ceramic, 12PF 50WV	
C304	F1G1H120A566	Ceramic, 12PF 50WV	
C305	F1G1H120A566	Ceramic, 12PF 50WV	
C306	F1G1H120A566	Ceramic, 12PF 50WV	
C307	F1G1H120A566	Ceramic, 12PF 50WV	
C310	F1H0J2250007	Ceramic, 2.2 μ F 6.3WV	
C311	F1G1H120A566	Ceramic, 12PF 50WV	
C312	F1G1H120A566	Ceramic, 12PF 50WV	
C313	F1G1H120A566	Ceramic, 12PF 50WV	
C314	F1G1H120A566	Ceramic, 12PF 50WV	
C315	F1G1H120A566	Ceramic, 12PF 50WV	
C316	F1G1H120A566	Ceramic, 12PF 50WV	
C317	F1G1H120A566	Ceramic, 12PF 50WV	
C320	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C350	F1H0J1050010	Ceramic, 1 μ F 6.3WV	
C351	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C700	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C701	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C702	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C703	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C704	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C705	F1G1H4710004	Ceramic, 470PF 50WV	
C707	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C708	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C709	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C710	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C711	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C800	F1H0J2250007	Ceramic, 2.2 μ F 6.3WV	
C801	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C802	F1G1H101A566	Ceramic, 100PF 50WV	
C803	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C804	F1G1A104A014	Ceramic, 0.1 μ F 10WV	
C850	F1J0J106A014	Ceramic, 10 μ F 6.3WV	
C851	F1J0J106A014	Ceramic, 10 μ F 6.3WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C940	F1J0J106A014	Ceramic, 10 μ F 6.3WV	
C990	F1G1H7R00008	Ceramic, 7PF 50WV	
RESISTORs			
R120	ERJ2GEJ100X	Chip, 10 Ω 1/16W	
R121	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R130	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R131	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R132	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R133	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R135	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R136	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R137	ERJ2GEJ100X	Chip, 10 Ω 1/16W	
R138	ERJ2GEJ100X	Chip, 10 Ω 1/16W	
R139	ERJ2GEJ100X	Chip, 10 Ω 1/16W	
R140	ERJ2GEJ100X	Chip, 10 Ω 1/16W	
R170	ERJ2GEJ151X	Chip, 150 Ω 1/16W	
R171	ERJ2RHD622X	Chip, 6.2k Ω 1/16W	
R172	ERJ2GEJ182X	Chip, 1.8k Ω 1/16W	
R174	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R190	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R320	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R402	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R600	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R601	ERJ2GEJ562X	Chip, 5.6k Ω 1/16W	
R602	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R603	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R701	ERJ2GEJ682X	Chip, 6.8k Ω 1/16W	
R710	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R711	ERJ2GEJ334X	Chip, 330k Ω 1/16W	
R712	ERJ2GEJ104X	Chip, 100k Ω 1/16W	
R713	ERJ2GEJ104X	Chip, 100k Ω 1/16W	
R714	ERJ2GEJ104X	Chip, 100k Ω 1/16W	
R715	ERJ2GEJ104X	Chip, 100k Ω 1/16W	
R800	ERJ2GEJ101X	Chip, 100 Ω 1/16W	
R801	ERJ2GEJ223X	Chip, 22k Ω 1/16W	
CONNECTORs			
CN600	K1MN40BA0189	Connector, 40P	
CN601	K1MN12BA0189	Connector, 12P	
CN900	K1MN60B00008	Connector, 60P	
CN950	K1MN12BA0189	Connector, 12P	
COILs			

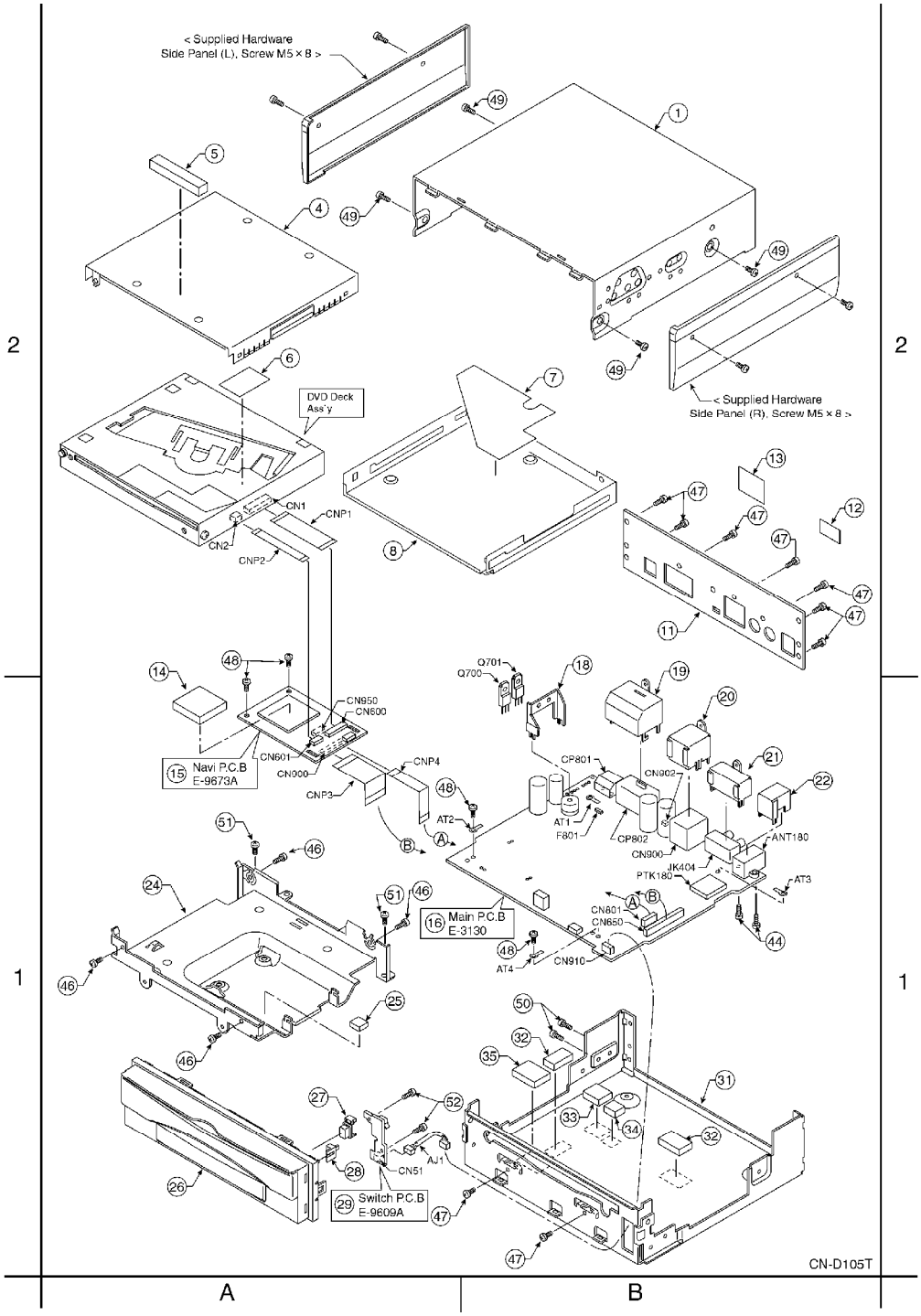
Ref. No.	Part No.	Part Name & Description	Remarks
L210	J0JHC0000092	Coil	
L300	J0JEC0000007	Coil	
L301	J0JEC0000007	Coil	
L350	J0JBC0000044	Coil	
L600	J0JAC0000011	Coil	
L602	J0JAC0000011	Coil	
L603	J0JAC0000011	Coil	
L604	J0JAC0000011	Coil	
L605	J0JAC0000011	Coil	
L606	J0JAC0000011	Coil	
L607	J0JAC0000011	Coil	
L608	J0JAC0000011	Coil	
L609	J0JAC0000011	Coil	
L610	J0JAC0000011	Coil	
L611	J0JAC0000011	Coil	
L612	J0JAC0000011	Coil	
L613	J0JAC0000011	Coil	
L614	J0JAC0000011	Coil	
L615	J0JAC0000011	Coil	
L616	J0JAC0000011	Coil	
L617	J0JAC0000011	Coil	
L618	J0JAC0000011	Coil	
L619	J0JAC0000011	Coil	
L620	J0JAC0000011	Coil	
L621	J0JAC0000011	Coil	
L622	J0JAC0000011	Coil	
L623	J0JAC0000011	Coil	
L624	J0JAC0000011	Coil	
L625	J0JAC0000011	Coil	
L626	J0JAC0000011	Coil	
L627	J0JAC0000011	Coil	
L628	J0JAC0000011	Coil	
L700	J0JBC0000044	Coil	
L701	J0JBC0000044	Coil	
L702	J0JAC0000011	Coil	
L703	J0JAC0000011	Coil	
L704	J0JAC0000011	Coil	
L800	J0JBC0000044	Coil	
L850	J0JBC0000044	Coil	
L900	J0JBC0000105	Coil	
L901	J0JBC0000105	Coil	
L902	J0JBC0000105	Coil	
L903	J0JBC0000105	Coil	
L904	J0JBC0000105	Coil	
L905	J0JBC0000105	Coil	
L906	J0JBC0000105	Coil	
L907	J0JBC0000105	Coil	
L908	J0JBC0000105	Coil	
L910	J0JBC0000105	Coil	
L912	J0JBC0000105	Coil	
L913	J0JBC0000105	Coil	
L914	J0JBC0000105	Coil	
L915	J0JBC0000105	Coil	
L916	J0JBC0000105	Coil	

Ref. No.	Part No.	Part Name & Description	Remarks
L917	J0JBC0000105	Coil	
L919	J0JBC0000105	Coil	
L920	J0JBC0000105	Coil	
L921	J0JBC0000105	Coil	
L922	J0JBC0000105	Coil	
L924	J0JBC0000105	Coil	
L925	J0JBC0000105	Coil	
L926	J0JBC0000105	Coil	
L927	J0JBC0000105	Coil	
L928	J0JBC0000105	Coil	
L929	J0JBC0000105	Coil	
L931	J0JBC0000105	Coil	
L932	J0JBC0000105	Coil	
L933	J0JBC0000105	Coil	
L934	J0JBC0000105	Coil	
L940	J0JBC0000044	Coil	
L941	J0JHC0000092	Coil	
L942	J0JHC0000092	Coil	
L943	J0JHC0000092	Coil	
L944	J0JHC0000092	Coil	
L953	J0JBC0000105	Coil	
L954	J0JBC0000105	Coil	
L955	J0JBC0000105	Coil	
L956	J0JBC0000105	Coil	
L957	J0JBC0000105	Coil	
CRYSTALs			
XL170	H0J319500001	Crystal Oscillator	
XL700	H2D338500002	Ceramic Oscillator	
NETWORK RESISTORs			
RA100	D1H810340005	Network Resistor	
RA101	D1H810340005	Network Resistor	
RA102	D1H810340005	Network Resistor	
RA130	D1H810340005	Network Resistor	
RA150	D1H810240004	Network Resistor	
RA151	D1H810240004	Network Resistor	
RA170	D1H810340005	Network Resistor	
RA190	D1H810340005	Network Resistor	
RA600	D1H810340005	Network Resistor	
RA601	D1H810340005	Network Resistor	
RA602	D1H810340005	Network Resistor	
RA603	D1H810340005	Network Resistor	
RA604	D1H810340005	Network Resistor	
RA701	D1H810440003	Network Resistor	
RA702	D1H810440003	Network Resistor	
RA704	D1H810440003	Network Resistor	
RA705	D1H810340005	Network Resistor	
ACCESSORIEs			

Ref. No.	Part No.	Part Name & Description	Remarks
PRINTINGs			
	YFM284C600ZA	Operating Instruction	
	YFM284C602ZA	Installation Instruction	
	YFM284C601ZA	Quick Guide	
INSTALLATION PARTs			
	YEP9BS1337	Screw Kit (Tapping M5*6, M6*20, Nut)	
	YEAJ071573	Speed Pulse Cable	
	YEP9FZ3338	GPS Antenna	
	YEAJ012834	Power Connector	
	YEP9FX10071	Remote Control Unit / (incl.Holder)	
	R6NW/2ST	Batteries-AA (R-6PU)	⚠
	YEFG021010B	L-Shaped Bracket	
	YEFG012424A	Base Bracket	
	YEP9FZ2537	Clip Type Connector	
	YEFV03557	L-Shaped Bracket	
	YEP9FZ3141	Cord Clamper	
	YEFX9992408	Double-Sided Tape (for Remote Control)	
	YEFX9991395	Double-Sided Tape	
	YEFX9992160	Protection Sheet	
	YEFJ012939	Side Plate (R)	
	YEFJ012938	Side Plate (L)	
	XSN5+8FJK	Screw M5*8	
Mechanical Parts			
MISCELLANEOUS			
F801	K5H502A00010	Fuse	⚠
AJ1	YEAJ071743	Power Cord With Plug 12v	
ANT180	K1KY02B00003	Antenna Receptacle	
AT1	K4CD01000015	Terminal	
AT2	K4CD01000015	Terminal	
AT3	K4CD01000015	Terminal	
AT4	K4CD01000015	Terminal	
CNP1	K9ZZ00001535	Connector, 40P	
CNP2	K9ZZ00001534	Connector, 12P	
CNP3	K9ZZ00001537	Connector, 60P	
CNP4	K9ZZ00001566	Connector, 12P	
1	YEFA032097	Upper Cover	
4	YEFX0022014	Dust Cover, Deck	
5	YEFX9995668	Pad, Dust Cover Deck	
6	YEFM031552	Deck Laser Seal	
7	YEFX9995602	Insulator	
8	YEFX0022015	Dust Cover	
11	YEFA08721	Rear Plate	
12	YEFM99594	Paper Parts	
13	YEFX9995146	Plate	
14	YEFS012527	Pad, Navi PCB	
15	YEP0PT9673F0	Navi PCB w/Component	RTL
16	YEP0PT3130A0	Main PCB w/Component	RTL
18	YEFX0217284	Bracket, Q700, Q701	

Ref. No.	Part No.	Part Name & Description	Remarks
19	YEFX0217281	Bracket, CP802	
20	YEFX0217282A	Bracket, CN900	
21	YEFX0217283	Bracket, JK404	
22	YEFV03938	Magnetic Shield, ANT180	
24	YEFX0217323	Bracket	
25	YEFS012526	Pad	
26	YEFC0266558	Escutcheon Ass'y	
27	YEFE1310000	Button	
28	YEFX0462195	Lever	
29	YEP0PT9609A0	Switch PCB w/Component	RTL
31	YEFA012243A	Chassis	
32	YEFS012528	Pad	
33	YEFS012529	Pad	
34	YEFS012530	Pad	
35	YEFS012531A	Pad	
44	XTN3+6CFN	Tapping Screw M3*6	
46	YEJT03319A	Tapping Screw	
47	YEJT03131A	Screw	
48	YEJT03152A	Screw	
49	XTB3+6FFJK	Tapping Screw M3*6	
50	YEJT03009A	Tapping Screw	
51	YEJT03133A	Screw	
52	XTB2+5GFJ	Tapping Screw M2*5	

12. EXPLODED VIEW (Unit)



13. DVD PLAYER PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of

these components, use only manufacturer's specified parts.

3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[E9578] DVD Servo Block			
IC's AND TRANSISTORs			
IC101	AN8703FH-V	IC	
IC201	MNZS26EDCUB	IC	
IC202	MN13821JP	IC	
IC203	C0JBAA000372	IC	
IC204	C0JBAA000372	IC	
IC205	AN80M18RSPTX	IC	
IC301	MNPH60GAKUB	IC	
IC302	C3EBDG000012	IC	
IC401	C0GBY0000012	IC	
IC402	C0GBH0000006	IC	
Q101	2SB766ATX	Transistor	
Q102	B1GBCFNN0001	Transistor	
Q103	B1GDCFNN0001	Transistor	
Q104	2SB766ATX	Transistor	
Q401	B3HB00000023	Transistor	
Q402	B3HB00000023	Transistor	
Q403	B3HB00000023	Transistor	
Q404	B1GBGEEA0001	Transistor	
Q405	B1GBCFNN0001	Transistor	
DIODE			
D401	MA721TX	Diode	
CAPACITORs			
C101	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C102	YECSW0J476MS	Tantalum, 47 μ F 6.3WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C103	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C104	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C105	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C106	F1H1A1050019	Ceramic, 1 μ F 10WV	
C107	F1H1A1050019	Ceramic, 1 μ F 10WV	
C108	F1H1A1050019	Ceramic, 1 μ F 10WV	
C109	F1H1A1050019	Ceramic, 1 μ F 10WV	
C110	F1G1C1030008	Ceramic, 0.01 μ F 16WV	
C111	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C112	F1G1H101A566	Ceramic, 100PF 50WV	
C113	F1H1A1050019	Ceramic, 1 μ F 10WV	
C114	F1H1A1050019	Ceramic, 1 μ F 10WV	
C115	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C116	F1G1H5610004	Ceramic, 560PF 50WV	
C117	F1G1H5610004	Ceramic, 560PF 50WV	
C118	F1H1C473A005	Ceramic, 0.047 μ F 16WV	
C119	F1H1E273A011	Ceramic, 0.027 μ F 25WV	
C120	F1H1A1050019	Ceramic, 1 μ F 10WV	
C121	F1G1H5610004	Ceramic, 560PF 50WV	
C122	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C123	F1G1H1020008	Ceramic, 1000PF 50WV	
C124	F1G1H6R0A608	Ceramic, 6PF 50WV	
C125	F1H1A1050019	Ceramic, 1 μ F 10WV	
C126	F1H1A1050019	Ceramic, 1 μ F 10WV	
C127	F1H1A1050019	Ceramic, 1 μ F 10WV	
C128	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C129	YECSW0J476MS	Tantalum, 47 μ F 6.3WV	
C130	F1G1A1040006	Ceramic, 0.1 μ F 10WV	
C167	F1H1A1050019	Ceramic, 1 μ F 10WV	
C201	F1G1H1020008	Ceramic, 1000PF 50WV	
C202	F1G1H1020008	Ceramic, 1000PF 50WV	
C203	F1G1H1020008	Ceramic, 1000PF 50WV	
C204	F1G1H1020008	Ceramic, 1000PF 50WV	
C205	F1G1H1020008	Ceramic, 1000PF 50WV	
C206	F1K0J1060015	Ceramic, 10 μ F 6.3WV	
C207	F1G1H1020008	Ceramic, 1000PF 50WV	
C208	F1G1H1020008	Ceramic, 1000PF 50WV	
C209	F1G1C1030008	Ceramic, 0.01 μ F 16WV	
C210	F1G1C1030008	Ceramic, 0.01 μ F 16WV	
C211	F1G1H120A566	Ceramic, 12PF 50WV	
C212	F1G1H120A566	Ceramic, 12PF 50WV	
C213	F1G1H1020008	Ceramic, 1000PF 50WV	
C214	F1G1H1020008	Ceramic, 1000PF 50WV	
C215	F1G1A1040006	Ceramic, 0.1 μ F 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C216	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C217	F1G1C1030008	Ceramic, 0.01 μF 16WV	
C218	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C219	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C220	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C221	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C222	F1G1C1030008	Ceramic, 0.01 μF 16WV	
C223	F1K0J1060015	Ceramic, 10 μF 6.3WV	
C224	F1G1C223A081	Ceramic, 0.022 μF 16WV	
C226	F1G1H470A565	Ceramic, 47PF 50WV	
C227	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C228	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C229	F1G1H1020008	Ceramic, 1000PF 50WV	
C230	YECUZ1H562KX	Ceramic, 5600PF 50WV	
C231	F1G1H1020008	Ceramic, 1000PF 50WV	
C232	F1G1H1020008	Ceramic, 1000PF 50WV	
C233	F1G1H1020008	Ceramic, 1000PF 50WV	
C234	F1G1H222A571	Ceramic, 2200PF 50WV	
C235	F1G1H4710004	Ceramic, 470PF 50WV	
C236	F1G1H5610004	Ceramic, 560PF 50WV	
C237	F1G1H5610004	Ceramic, 560PF 50WV	
C238	F1K0J1060015	Ceramic, 10 μF 6.3WV	
C239	F1G1H1020008	Ceramic, 1000PF 50WV	
C240	F1G1H1020008	Ceramic, 1000PF 50WV	
C241	F1G1H1020008	Ceramic, 1000PF 50WV	
C242	F1G1H1020008	Ceramic, 1000PF 50WV	
C243	F1G1H1020008	Ceramic, 1000PF 50WV	
C244	F1G1H1020008	Ceramic, 1000PF 50WV	
C245	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C246	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C247	F1H1A1050019	Ceramic, 1 μF 10WV	
C248	F1H1A1050019	Ceramic, 1 μF 10WV	
C249	F1H1A1050019	Ceramic, 1 μF 10WV	
C250	F1H1A1050019	Ceramic, 1 μF 10WV	
C251	F1H1A1050019	Ceramic, 1 μF 10WV	
C301	F1G1H1020008	Ceramic, 1000PF 50WV	
C302	F1G1H1020008	Ceramic, 1000PF 50WV	
C303	F1G1H1020008	Ceramic, 1000PF 50WV	
C304	F1G1H1020008	Ceramic, 1000PF 50WV	
C305	F1G1H1020008	Ceramic, 1000PF 50WV	
C306	F1G1H1020008	Ceramic, 1000PF 50WV	
C307	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C308	F1H1A1050019	Ceramic, 1 μF 10WV	
C309	F1H1A1050019	Ceramic, 1 μF 10WV	
C310	F1H1A1050019	Ceramic, 1 μF 10WV	

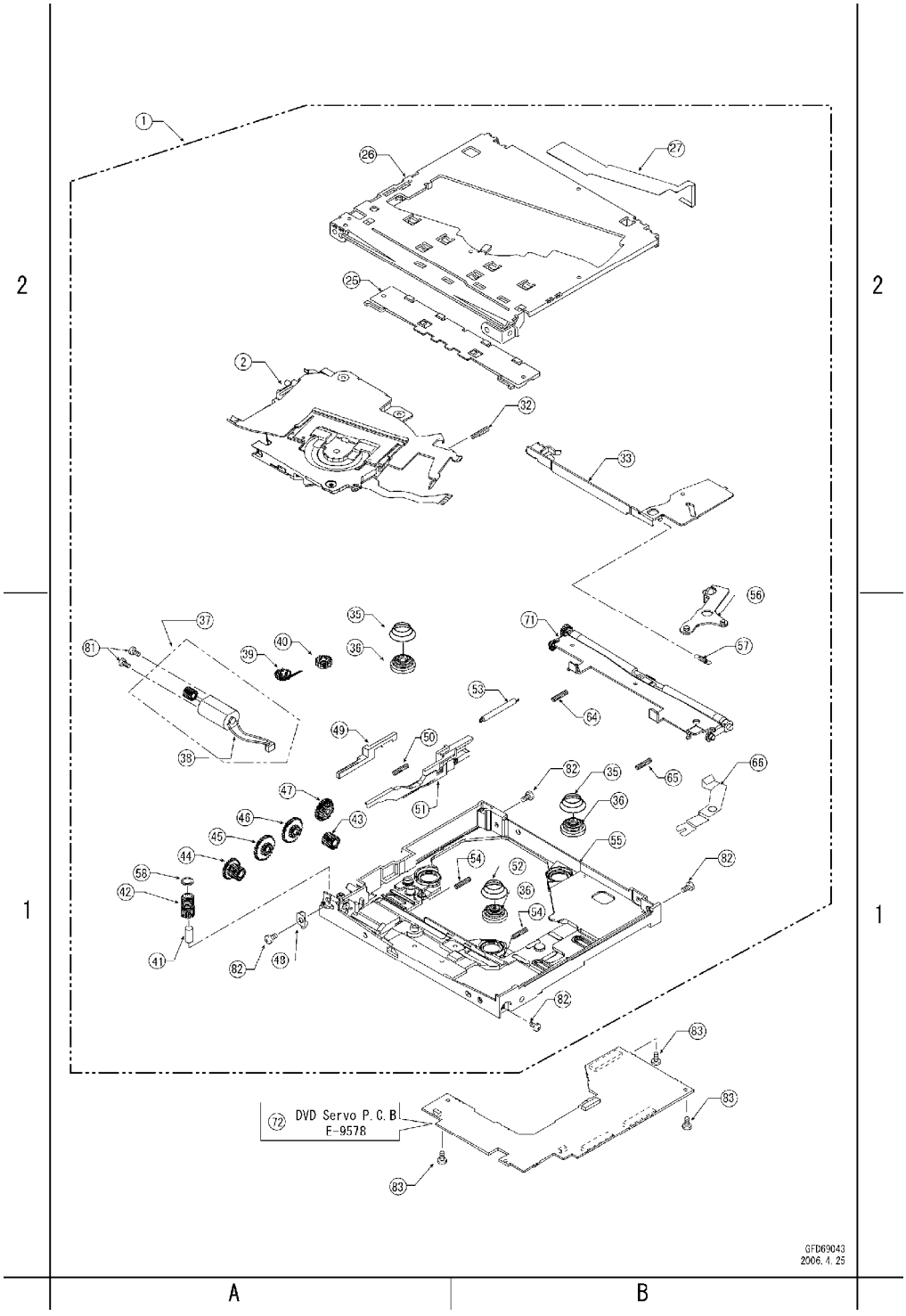
Ref. No.	Part No.	Part Name & Description	Remarks
C311	F1H1A1050019	Ceramic, 1 μF 10WV	
C401	F1J1C1050013	Ceramic, 1 μF 16WV	
C402	F1K0J1060015	Ceramic, 10 μF 6.3WV	
C403	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C404	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C405	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C406	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C407	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C408	F1K0J1060015	Ceramic, 10 μF 6.3WV	
C409	F1H1A1050019	Ceramic, 1 μF 10WV	
C410	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C411	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C412	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C413	F1G1A1040006	Ceramic, 0.1 μF 10WV	
C901	F1G1H1020008	Ceramic, 1000PF 50WV	
C902	F1H1A1050019	Ceramic, 1 μF 10WV	
RESISTORs			
L202	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R101	ERJ12YJ200H	Chip, 20 Ω 1/2W	
R102	ERJ2GEJ2R2X	Chip, 2.2 Ω 1/16W	
R103	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R105	ERJ3RBD243V	Metal Glaze, 24k Ω 1/16W	
R106	ERJ2GEJ392X	Chip, 3.9k Ω 1/16W	
R107	ERJ2GEJ123X	Chip, 12k Ω 1/16W	
R108	ERJ2GEJ123X	Chip, 12k Ω 1/16W	
R109	ERJ2GEJ183X	Chip, 18k Ω 1/16W	
R110	ERJ2GEJ202X	Chip, 2k Ω 1/16W	
R111	ERJ2GEJ105X	Chip, 1M Ω 1/16W	
R112	ERJ2GEJ105X	Chip, 1M Ω 1/16W	
R113	ERJ2GEJ122X	Chip, 1.2k Ω 1/16W	
R114	ERJ2GEJ105X	Chip, 1M Ω 1/16W	
R115	ERJ12YJ200H	Chip, 20 Ω 1/2W	
R116	ERJ2GEJ2R2X	Chip, 2.2 Ω 1/16W	
R117	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R118	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R202	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R203	ERJ2GEJ472X	Chip, 4.7k Ω 1/16W	
R204	ERJ2GEJ472X	Chip, 4.7k Ω 1/16W	
R205	ERJ2GEJ273X	Chip, 27k Ω 1/16W	
R206	ERJ2GEJ273X	Chip, 27k Ω 1/16W	
R207	ERJ2GEJ103X	Chip, 10k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R208	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R209	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R210	ERJ2GEJ105X	Chip, 1M Ω 1/16W	
R211	ERJ2GEJ471X	Chip, 470 Ω 1/16W	
R212	ERJ2GEJ393X	Chip, 39k Ω 1/16W	
R213	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R214	ERJ2GEJ153X	Chip, 15k Ω 1/16W	
R216	ERJ2GEJ105X	Chip, 1M Ω 1/16W	
R217	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R218	ERJ2GEJ562X	Chip, 5.6k Ω 1/16W	
R219	ERJ2GEJ562X	Chip, 5.6k Ω 1/16W	
R220	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R225	ERJ2GEJ220X	Chip, 22 Ω 1/16W	
R227	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R228	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R230	ERJ2GEJ820X	Chip, 82 Ω 1/16W	
R231	ERJ2GEJ220X	Chip, 22 Ω 1/16W	
R232	ERJ2GEJ820X	Chip, 82 Ω 1/16W	
R233	ERJ2GE0R00X	Chip, 0 Ω 1/16W	
R234	ERJ2GEJ820X	Chip, 82 Ω 1/16W	
R235	ERJ2GEJ820X	Chip, 82 Ω 1/16W	
R236	ERJ2GEJ223X	Chip, 22k Ω 1/16W	
R237	ERJ2GEJ333X	Chip, 33k Ω 1/16W	
R301	ERJ2GEJ471X	Chip, 470 Ω 1/16W	
R303	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R305	ERJ2GEJ102X	Chip, 1k Ω 1/16W	
R306	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R307	ERJ2GEJ153X	Chip, 15k Ω 1/16W	
R308	ERJ2GEJ153X	Chip, 15k Ω 1/16W	
R309	ERJ2GEJ153X	Chip, 15k Ω 1/16W	
R310	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R311	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R313	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R314	ERJ2GEJ332X	Chip, 3.3k Ω 1/16W	
R315	ERJ2GEJ332X	Chip, 3.3k Ω 1/16W	
R323	ERJ2GE0R00X	Chip, 0 Ω 1/16W	
R401	ERJ2GEJ562X	Chip, 5.6k Ω 1/16W	
R402	ERJ2GEJ103X	Chip, 10k Ω 1/16W	
R403	ERJ2GEJ682X	Chip, 6.8k Ω 1/16W	
R404	ERJ2GEJ562X	Chip, 5.6k Ω 1/16W	
R405	ERJ2GEJ562X	Chip, 5.6k Ω 1/16W	
R406	ERJ2GEJ472X	Chip, 4.7k Ω 1/16W	
R407	ERJ2GEJ473X	Chip, 47k Ω 1/16W	
R408	ERJ8GEYJ1R2V	Chip, 1.2 Ω 1/8W	
R409	ERJ2GEJ101X	Chip, 100 Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R410	ERJ2GEJ101X	Chip, 100 Ω 1/16W	
R411	ERJ2GEJ181X	Chip, 180 Ω 1/16W	
R412	ERJ2GEJ181X	Chip, 180 Ω 1/16W	
R413	ERJ2GEJ181X	Chip, 180 Ω 1/16W	
R414	ERJ2GEJ562X	Chip, 5.6k Ω 1/16W	
R415	ERJ2GE0R00X	Chip, 0 Ω 1/16W	
CONNECTORs			
CN1	K1MN40BA0195	Connector,40P	
CN2	K1MN12BA0111	Connector,12P	
CN3	K1MN30BA0112	Connector,30P	
CN4	K1MN20BA0111	Connector,20P	
CN5	K1KA02BA0085	Connector,2P	
CN6	K1MN04BA0111	Connector,4P	
COILs			
L101	J0JCC0000152	Coil	
L102	J0JCC0000152	Coil	
L201	J0JCC0000152	Coil	
L203	J0JCC0000023	Coil	
L204	YELTBLM1A601	Coil	
L301	J0JCC0000152	Coil	
L901	J0JCC0000152	Coil	
SWITCH			
SW1	K0L1BA000104	Switch	
CRYSTAL			
X201	H0J168500003	Crystal Oscillator	
NETWORK RESISTORs			
R135	D1H810340005	Network Resistor	
R221	D1H822040002	Network Resistor	
R222	D1H822040002	Network Resistor	
R223	D1H822040002	Network Resistor	
R224	D1H822040002	Network Resistor	
R226	D1H810340005	Network Resistor	
R229	D1H882040001	Network Resistor	
R302	D1H810340005	Network Resistor	
R312	D1H810340005	Network Resistor	
R316	D1H822140004	Network Resistor	
R317	D1H822140004	Network Resistor	
R318	D1H822140004	Network Resistor	
R319	D1H822140004	Network Resistor	
R320	D1H822140004	Network Resistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Mechanical Parts			
MISCELLANEOUS			
1	YGP0FX13494	Deck Mechanism Ass'y	
2	YGP0FX13497	Suspension Ass'y	
25	YGFX239484	Disc Guide	
26	YGFA012407	Upper Chassis	
27	YGAP2990	Sensor FPC Ass'y	
32	YGFX0052654	Earth Spring	
33	YGFX0462197	Suspension Lock Lever (L)	
35	YGFX0052630	Suspension Spring	
36	YGFS04858	Damper	
37	YGP0FX13498	Loading Motor Ass'y	
38	K1LB02A00105	Connector w/Lead Wire	
39	YGFX0031172	Lock Gear (1)	
40	YGFX0031173	Lock Gear (2)	
41	YGFW062772A	Loading Gear Shaft	
42	YGFX0031166A	Laoding Gear (1)	
43	YGFX0031167	Laoding Gear (2)	
44	YGFX0031168	Laoding Gear (3)	
45	YGFX0031169	Laoding Gear (4)	
46	YGFX0031170	Laoding Gear (5)	
47	YGFX0031171	Laoding Gear (6)	
48	YGFX0052632	Worm Gear Housing Spring	
49	YGFX0031178	Clamp Rack	
50	YGFX0052633	Clamp Rack Spring	
51	YGFX0463048	Slide Lever	
52	YGFX0052711	Suspension Spring (F)	
53	YGFX0052634	Slide Lever Spring	
54	YGFX0052631	Offset Spring	
55	YGFA012014B	Main Chassis	
56	YGFX0462196	Suspension Lock Lever (R)	
57	YGFX0052635	Suspension Lock Lever L Spring	
58	YGFX9995764	Load Gear 1 Collar	
64	YGFX0052668	Feeder Spring (L)	
65	YGFX0052669A	Feeder Spring (R)	
66	YGFX0052639	Upper Spring	
71	YGP0FX13496	Feeder Arm Ass'y	
72	YGP0PT9578Y9	DVD Servo PCB w/Component	RTL
81	YGJS06292	Screw	
82	YEJT03152A	Screw	
83	YGJT01101	Screw	

14. EXPLODED VIEW (DVD Deck)



15. WIRING DIAGRAM

15.1. Main/Switch Block (Top View)

15.2. Main/Switch Block (Bottom View)

15.3. Navi Block (Top View)

15.4. Navi Block (Bottom View)

15.5. DVD Servo Block (Top View)

15.6. DVD Servo Block (Bottom View)

16. SCHEMATIC DIAGRAM

16.1. Main-1 Block

16.2. Main-2/Switch Block

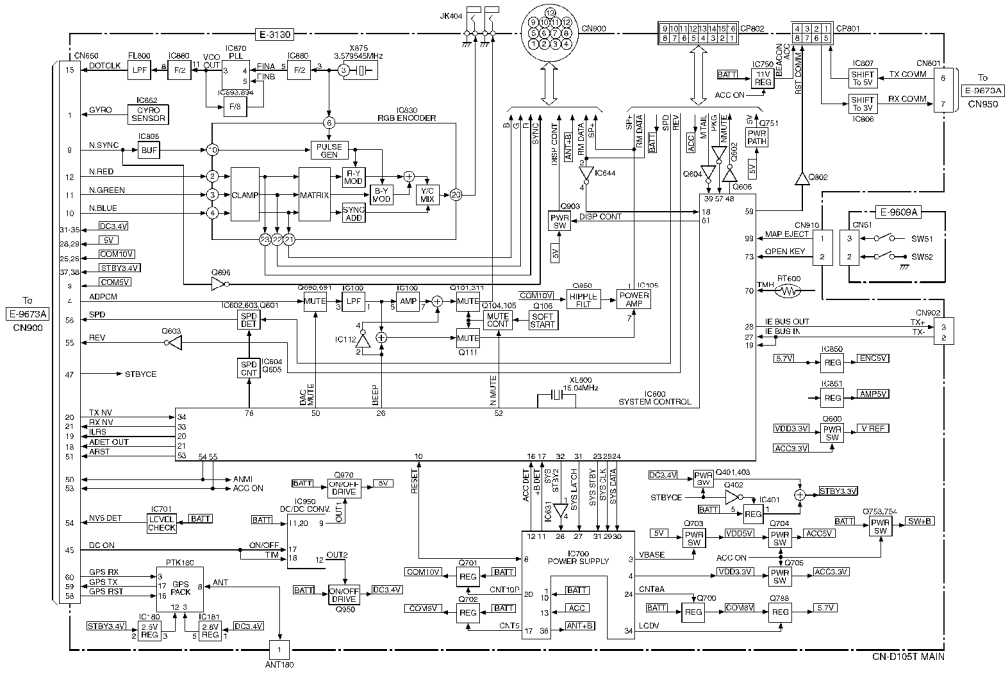
16.3. Navi Block-1

16.4. Navi Block-2

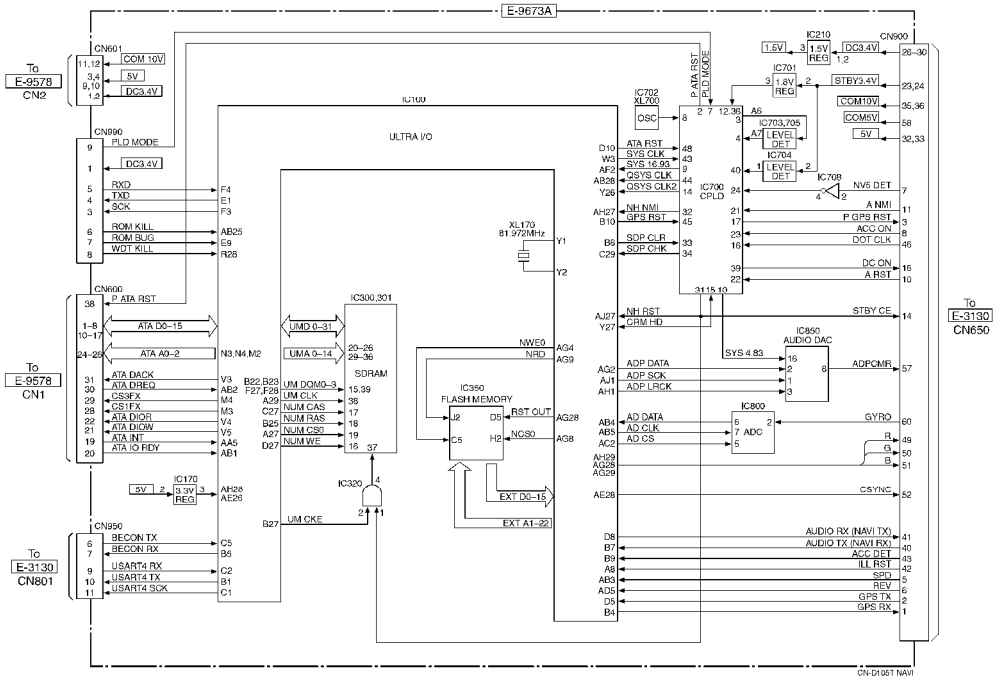
16.5. DVD Servo Block

17. BLOCK DIAGRAM

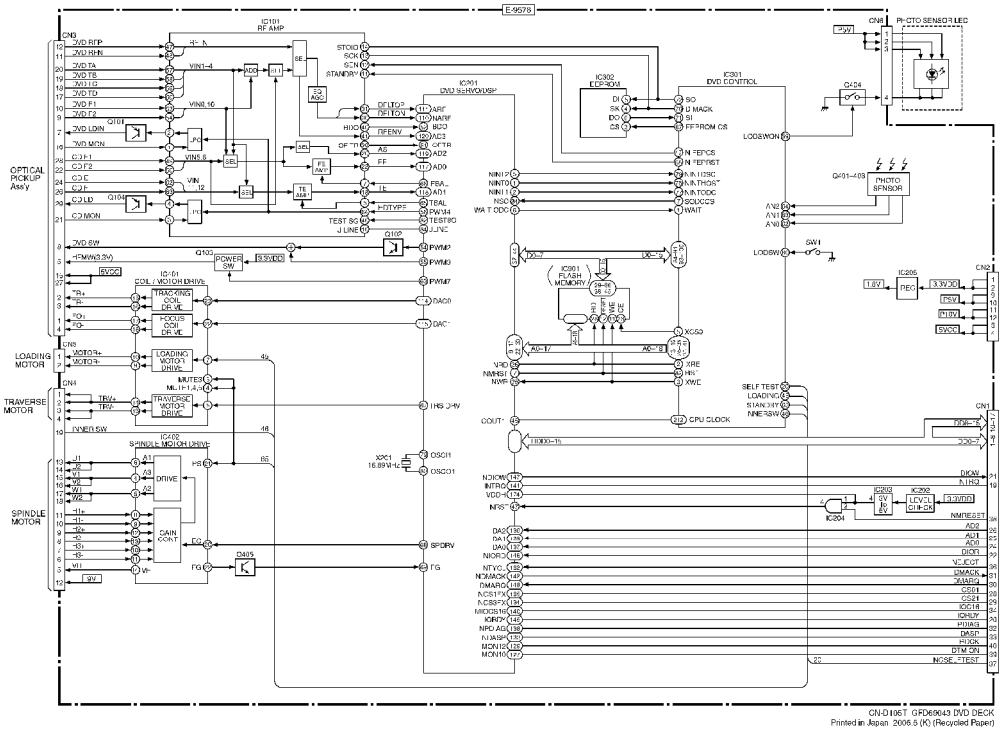
17.1. Main/Switch Block



17.2. Navi Block



17.3. DVD Servo Block



18. SCHEMATIC DIAGRAM for Printing with A4 Size

18.1. Main-1 Block (Left Side)

18.2. Main-1 Block (Right Side)

18.3. Main-2/Switch Block (Left Side)

18.4. Main-2/Switch Block (Right Side)

18.5. Navi Block-1 (Left Side)

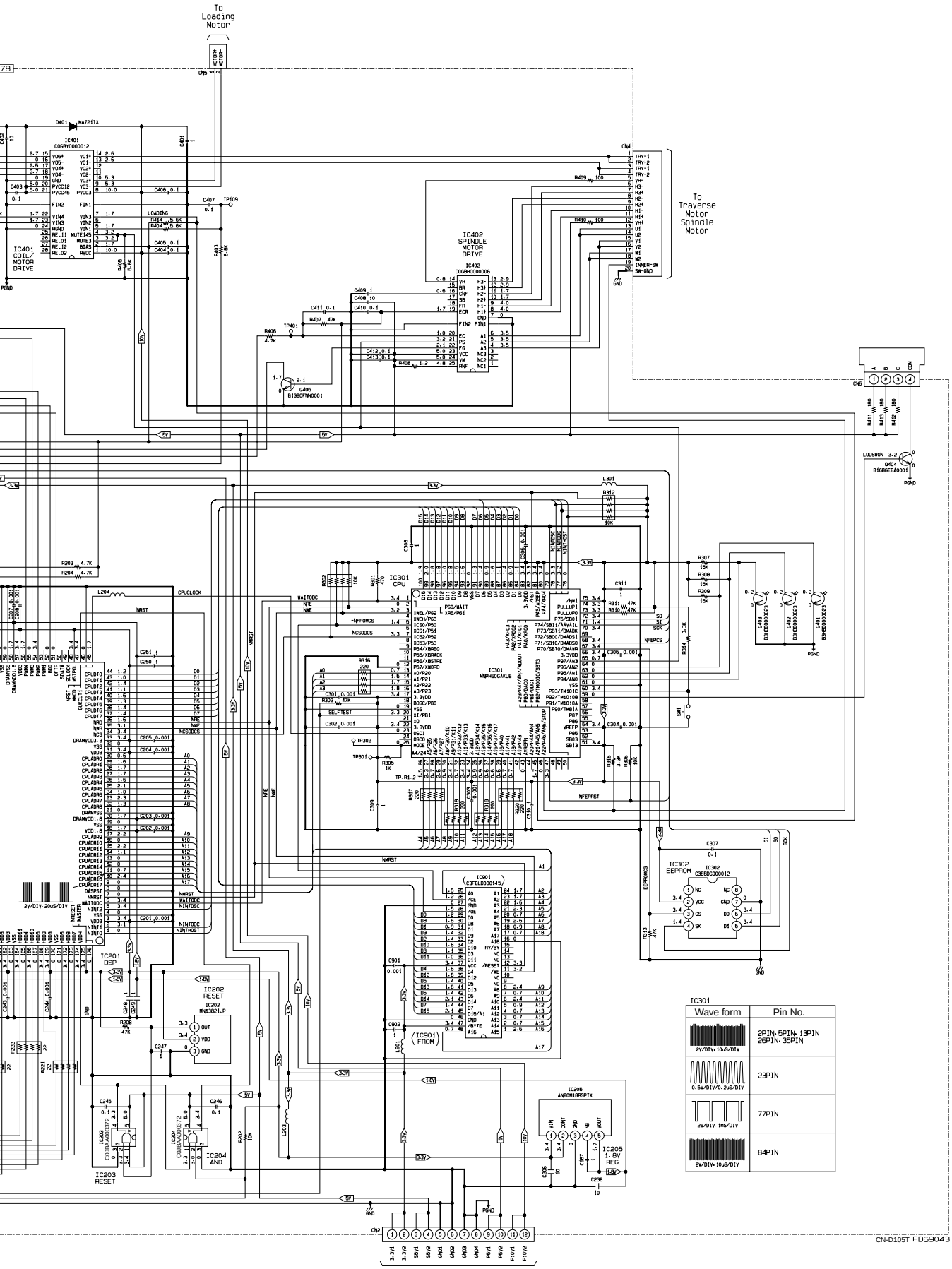
18.6. Navi Block-1 (Right Side)

18.7. Navi Block-2 (Left Side)

18.8. Navi Block-2 (Right Side)

18.9. DVD Servo Block (Left Side)

18.10. DVD Servo Block (Right Side)

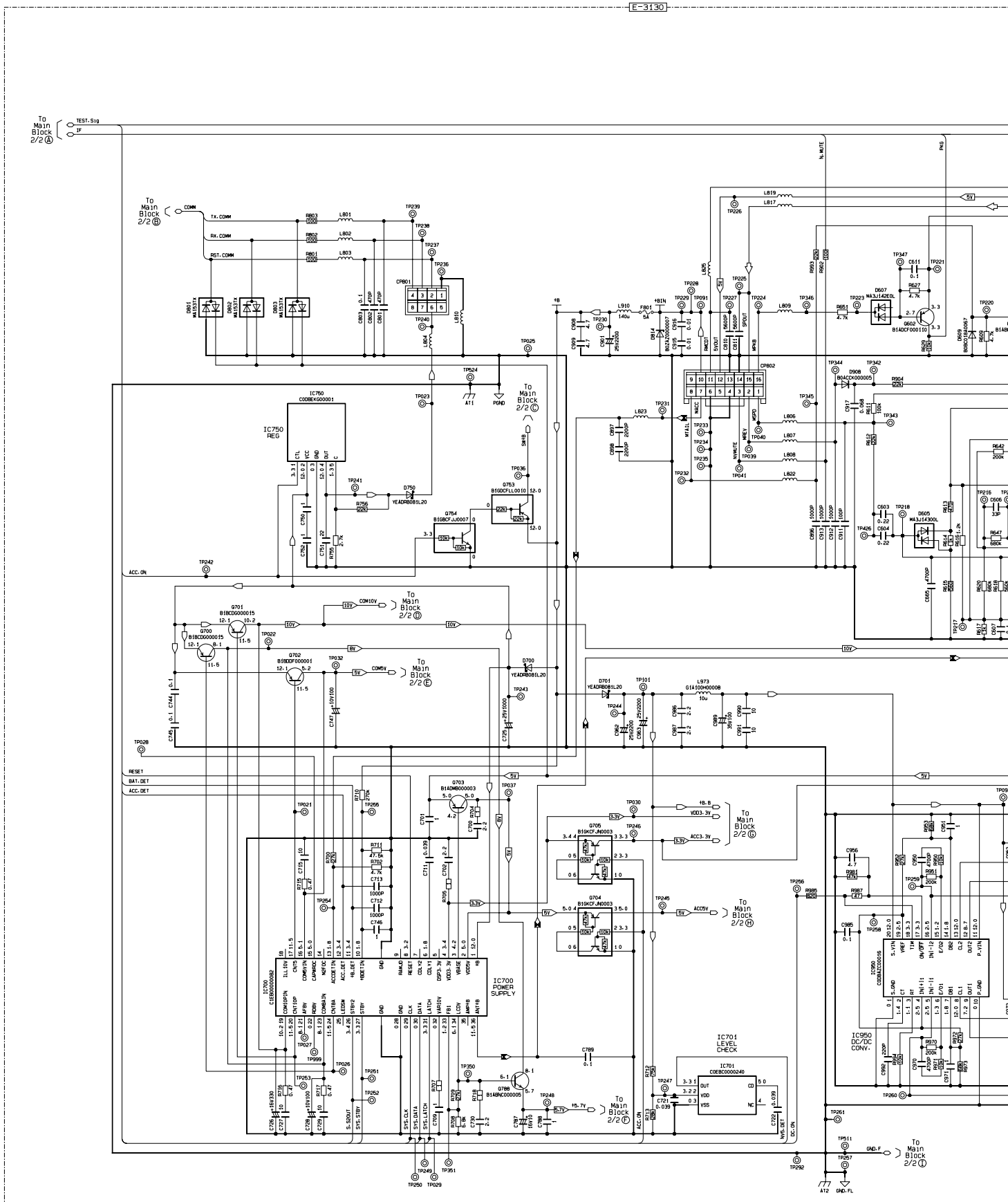


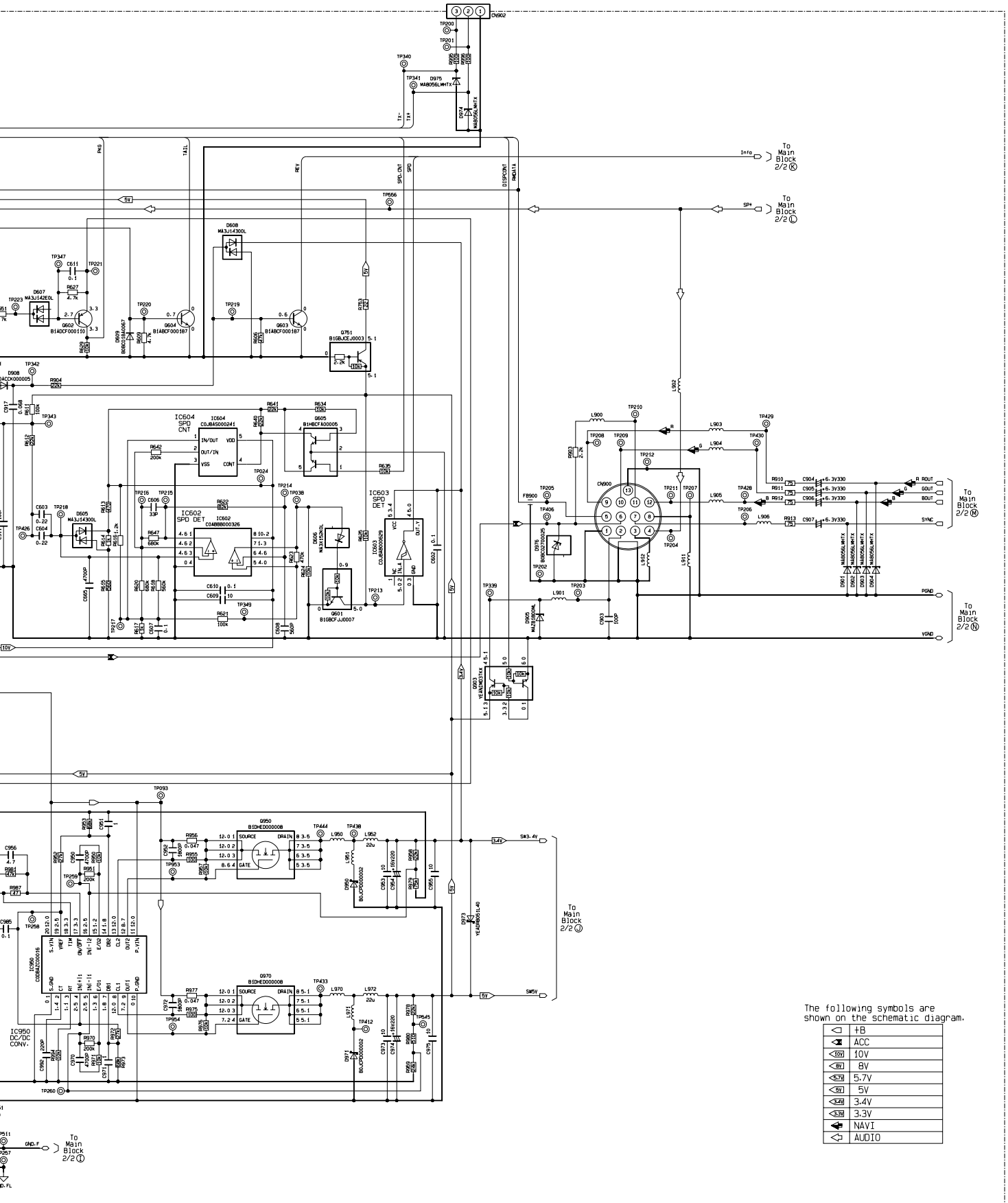
IC301

Wave form	Pin No.
2V/DIV. 10uS/DIV	2PIN. 5PIN. 13PIN 26PIN. 35PIN
0.5V/DIV/0.2uS/DIV	23PIN
2V/DIV. 1mS/DIV	77PIN
2V/DIV. 10uS/DIV	84PIN

16 SCHEMATIC DIAGRAM

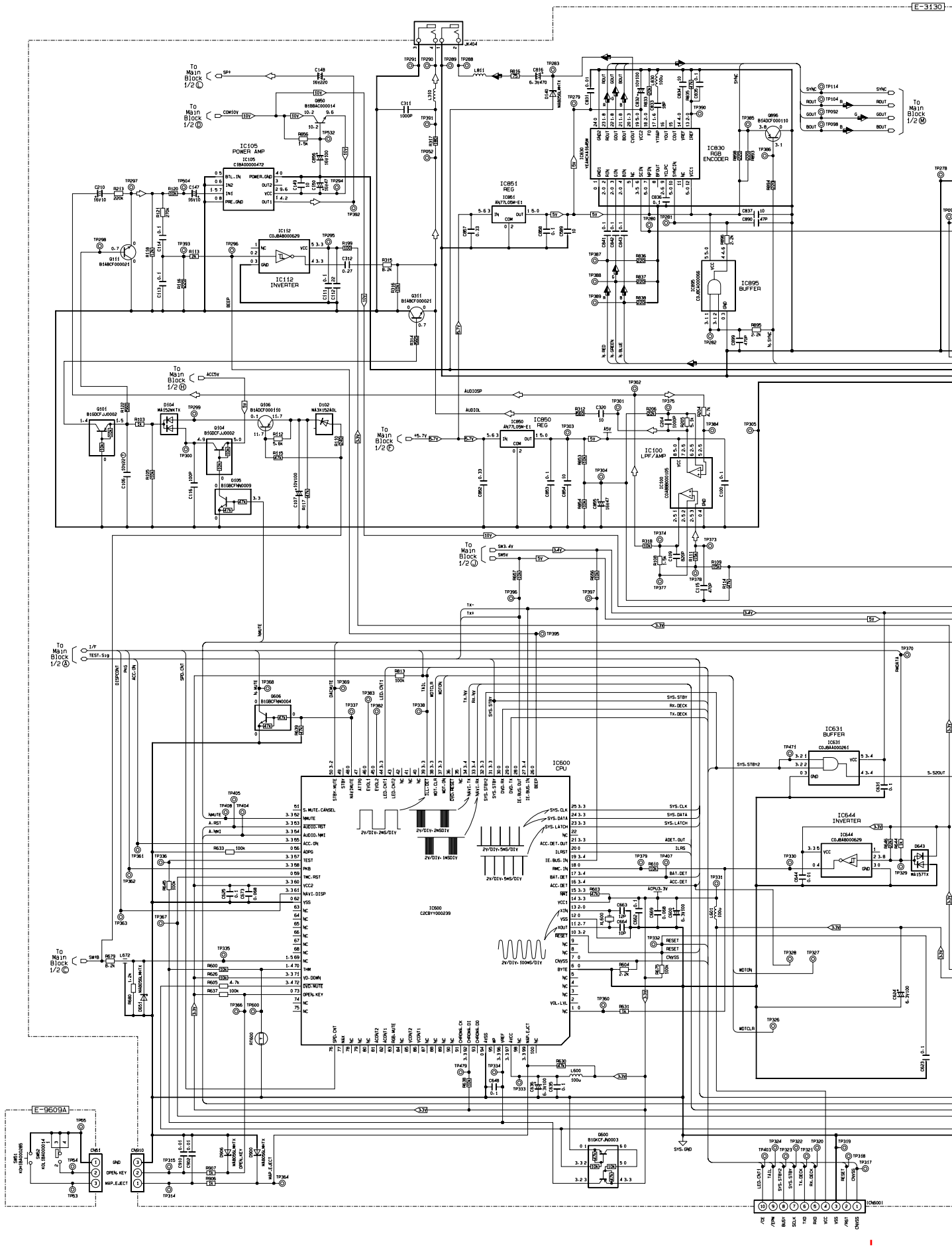
16.1. Main-1 Block

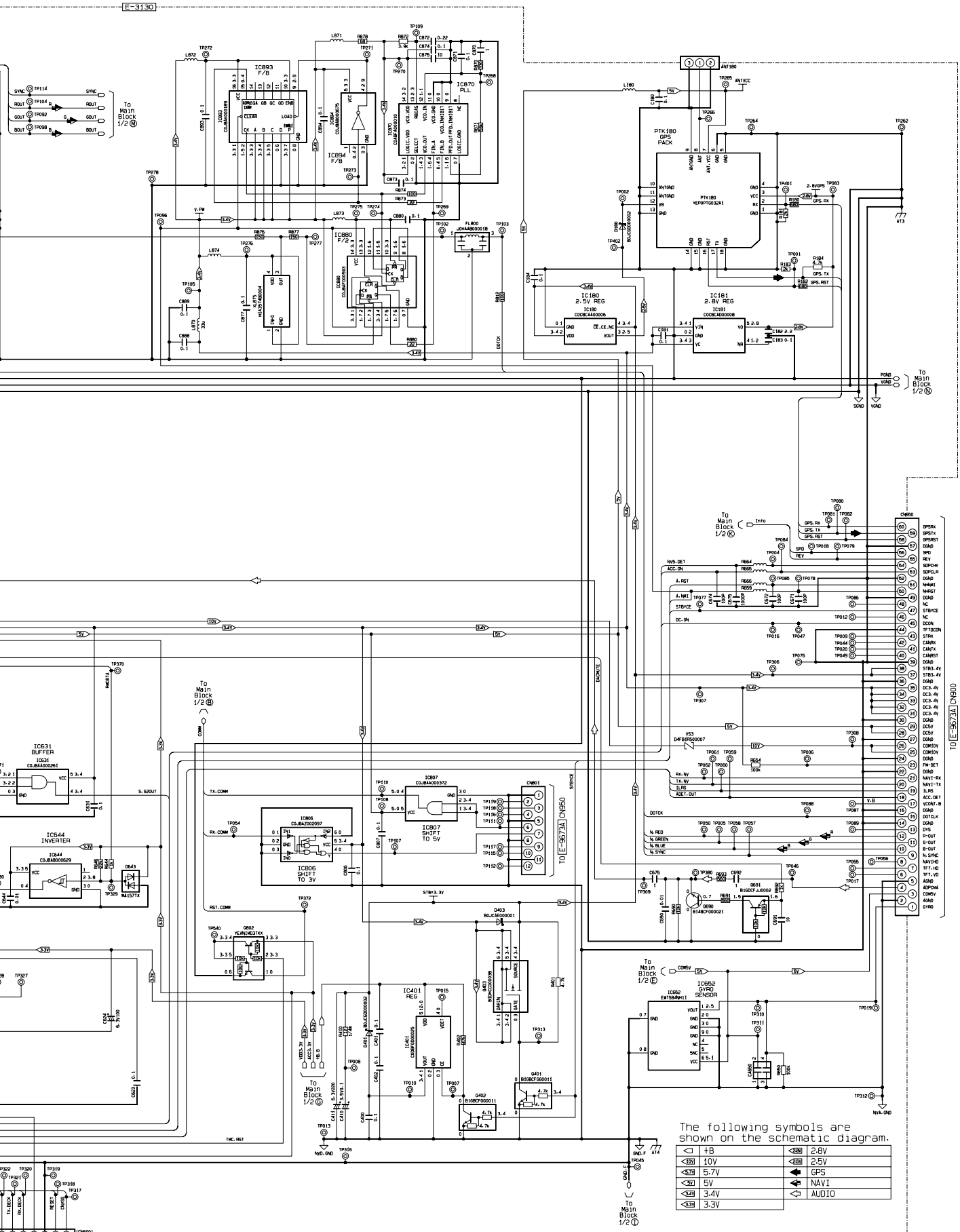




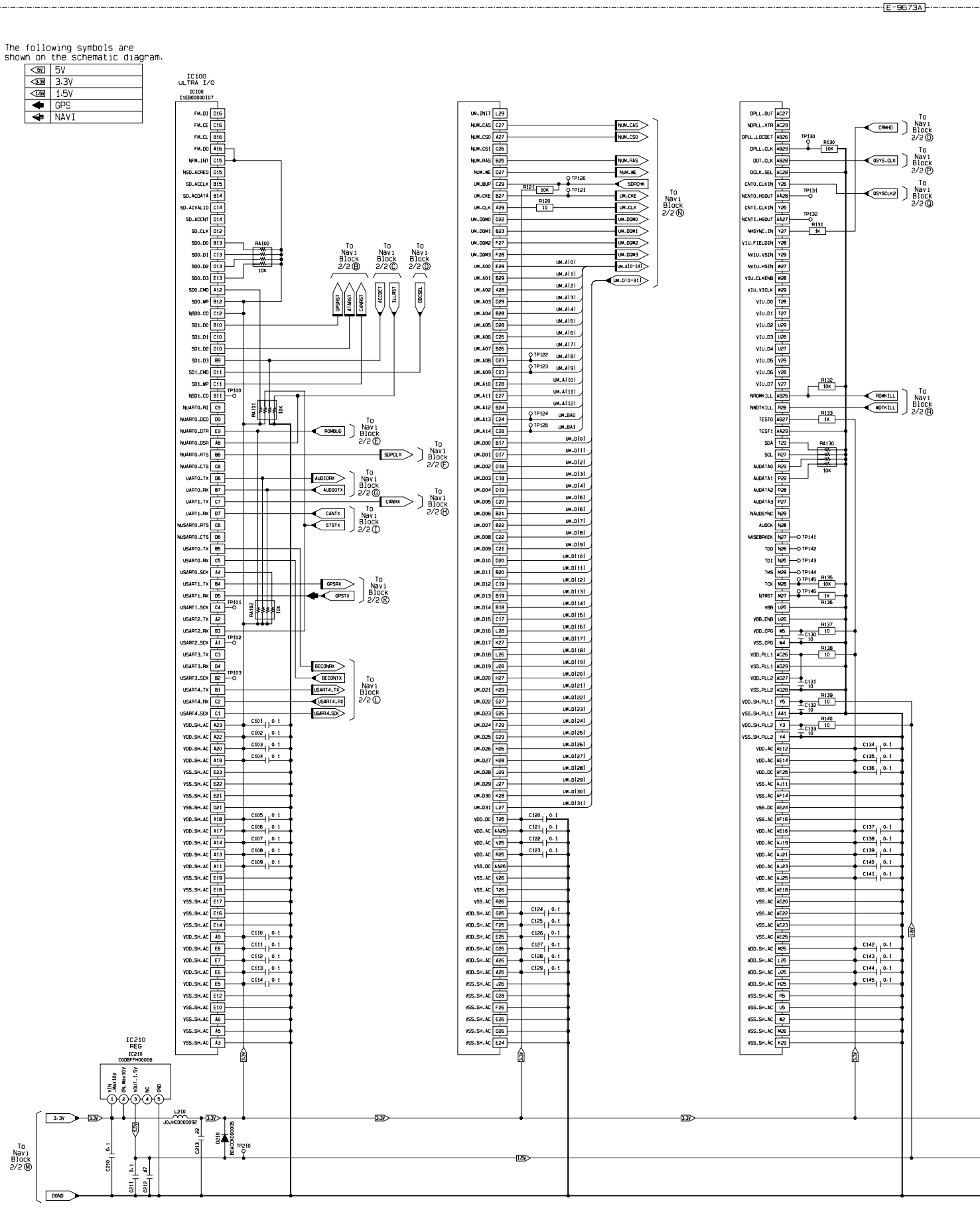
CN-D105T MAIN 1/2

16.2. Main-2/Switch Block

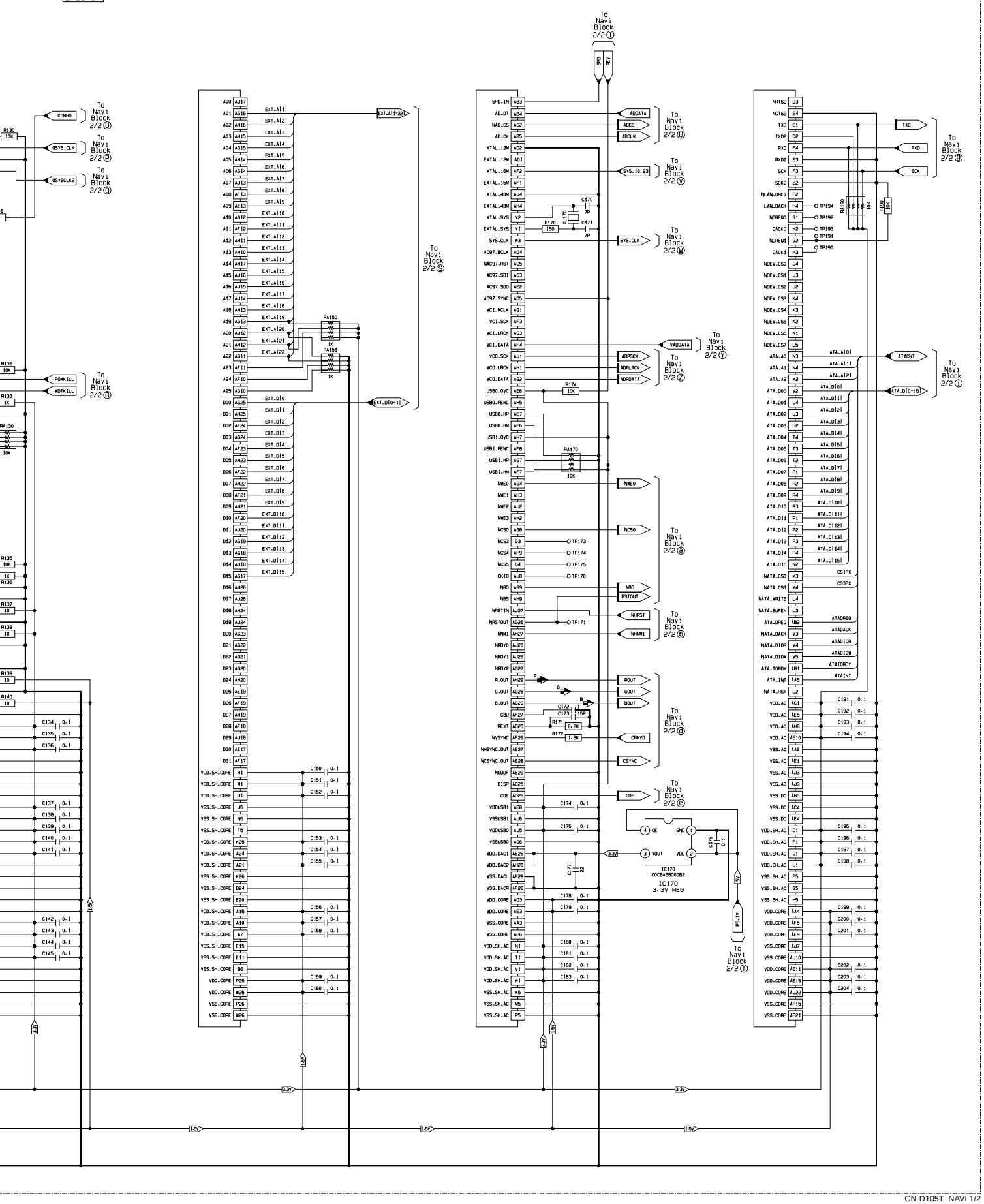



E-3130
IC893 F/B
IC894 F/B
IC870 PLL
PTK180 GPS PACK
IC180 2.5V REG
IC181 2.8V REG
IC631 BUFFER
IC644 INVERTER
IC806 SHIFT TO 3V
IC807 SHIFT TO 5V
IC401 REG
IC652 GYRO SENSOR
CN900
TO E-9673A CN900
CN801
TO E-9673A CN801
CN6001
To Main Block 1/2 M
To Main Block 1/2 K
To Main Block 1/2 B
To Main Block 1/2 C
To Main Block 1/2 E
To Main Block 1/2 L
To Main Block 1/2 D
To Main Block 1/2 N
The following symbols are shown on the schematic diagram.
+B
10V
5.7V
5V
3.4V
3.3V
2.8V
2.5V
GPS
NAVI
AUDIO
CN-D105T
MAIN 2/2

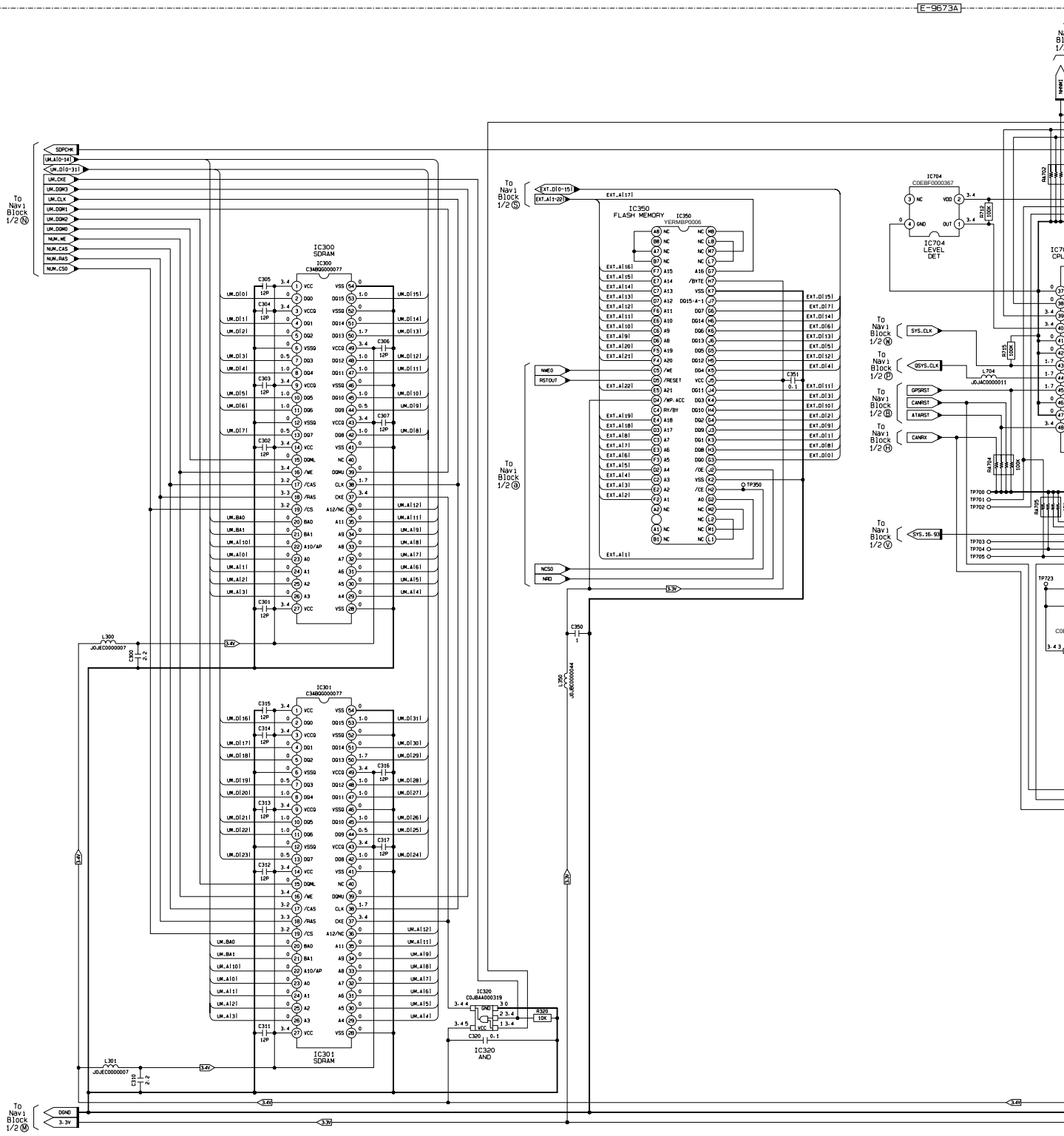
16.3. Navi Block-1



E-9673A

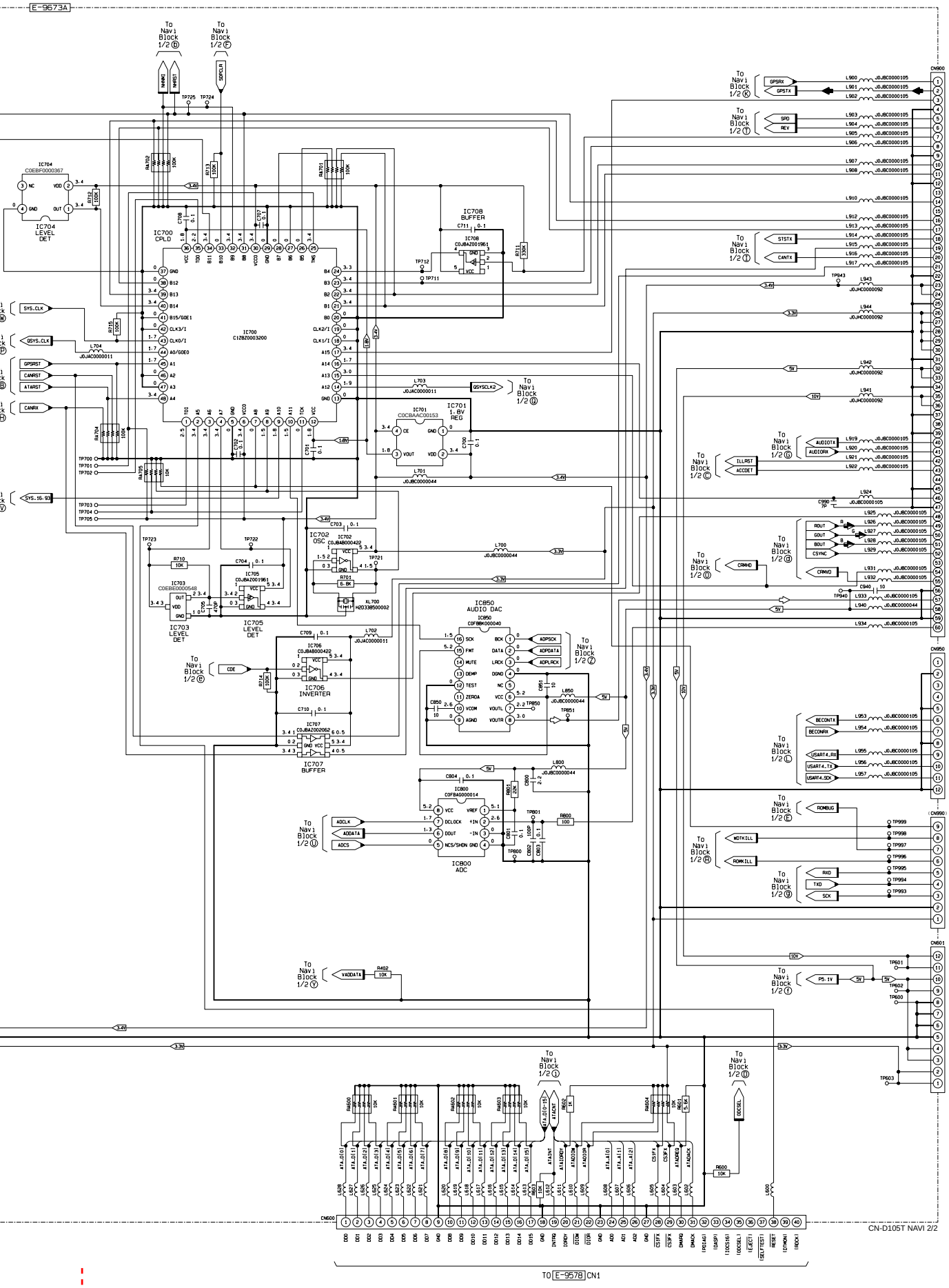

To Navi Block 2/2 ①
SPD
REV
To Navi Block 2/2 ⓪
CRMHD
QSYS_CLK
QSYSCLK2
ROMKILL
MDTKILL
To Navi Block 2/2 Ⓟ
To Navi Block 2/2 Ⓠ
To Navi Block 2/2 Ⓗ
To Navi Block 2/2 Ⓢ
EXT_AI[1-22]
EXT_DI[0-15]
RA150
RA151
1K
SPD_IN
AD_DT
NAD_CS
AD_CK
XTAL_12M
EXTAL_12M
XTAL_16M
EXTAL_16M
XTAL_48M
EXTAL_48M
XTAL_SYS
EXTAL_SYS
SYS_CLK
AC97_BCLK
NAC97_RST
AC97_SDI
AC97_SDO
AC97_SYNC
VCI_MCLK
VCI_SCK
VCI_LRCK
VCI_DATA
VCO_SCK
VCO_LRCK
VCO_DATA
USB0_OVC
USB0_PENC
USB0_HP
USB0_HM
USB1_OVC
USB1_PENC
USB1_HP
USB1_HM
NWE0
NWE1
NWE2
NWE3
NCS0
NCS3
NCS4
NCS5
CKIO
NRD
NBS
NRSTIN
NRSTOUT
NWAI
NRDY0
NRDY1
NRDY2
R_OUT
G_OUT
B_OUT
CBU
REXT
NVSYNC
NHSYNC_OUT
NCSYNC_OUT
NODDF
DISP
CDE
VDDUSB1
VSSUSB1
VDDUSB0
VSSUSB0
VDD_DAC1
VDD_DAC2
VSS_DACL
VSS_DACR
VDD_CORE
VSS_CORE
VSS_SH_AC
ADDATA
ADCS
ADCLK
SYS_16.93
SYS_CLK
VADDATA
ADPSCK
ADPLRCK
ADPDATA
NWE0
NCS0
NRD
RSTOUT
NWRST
NWAI
ROUT
GOUT
BOUT
CRMYD
CSYNC
CDE
TP173
TP174
TP175
TP170
TP171
C170
C171
XL170
R170
150
7P
R174
10K
RA170
C172
C173
15P
R171
6.2K
R172
1.8K
C174
C175
C177
22
IC170
COCBABB000B2
IC170
3.3V REG
3.3V
1.5V
1.8V
To Navi Block 2/2 ⓕ
To Navi Block 2/2 Ⓤ
To Navi Block 2/2 Ⓥ
To Navi Block 2/2 Ⓦ
To Navi Block 2/2 Ⓨ
To Navi Block 2/2 Ⓩ
To Navi Block 2/2 ⓐ
To Navi Block 2/2 ⓑ
To Navi Block 2/2 ⓓ
To Navi Block 2/2 Ⓔ
NRTS2
NCTS2
TXD
TXD2
RXD
RXD2
SCK
SCK2
NLAN_DREQ
LAN_DACK
NDREQ0
DACK0
NDREQ1
DACK1
NDEV_CS0
NDEV_CS1
NDEV_CS2
NDEV_CS3
NDEV_CS4
NDEV_CS5
NDEV_CS6
NDEV_CS7
ATA_A0
ATA_A1
ATA_A2
ATA_D00
ATA_D01
ATA_D02
ATA_D03
ATA_D04
ATA_D05
ATA_D06
ATA_D07
ATA_D08
ATA_D09
ATA_D10
ATA_D11
ATA_D12
ATA_D13
ATA_D14
ATA_D15
NATA_CS0
NATA_CS1
NATA_WRITE
NATA_BUFEN
ATA_DREQ
NATA_DACK
NATA_DIOR
NATA_DIOW
ATA_IORDY
ATA_INT
NATA_RST
TP190
TP191
TP192
TP193
TP194
R190
10K
ATACNT
ATA_DI0-15
CS1FX
CS3FX
ATADREQ
ATADACK
ATADIOR
ATADIOW
ATAIORDY
ATAINT
To Navi Block 2/2 ⓖ
To Navi Block 2/2 ⓘ
VDD_AC
VSS_AC
VDD_SH_AC
VSS_SH_AC
VDD_CORE
VSS_CORE
C150
C151
C152
C153
C154
C155
C156
C157
C158
C159
C160
C134
C135
C136
C137
C138
C139
C140
C141
C142
C143
C144
C145
C180
C181
C182
C183
C191
C192
C193
C194
C195
C196
C197
C198
C199
C200
C201
C202
C203
C204
R130
R132
R133
R135
R136
R137
R138
R139
R140
RA130

16.4. Navi Block-2



The following symbols are shown on the schematic diagram.

10V	10V
5V	5V
3.4V	3.4V
3.3V	3.3V
1.8V	1.8V
	GPS
	NAVI
	AUDIO


E-9673A
IC700 CPLD
IC700 C1ZBZ0003200
IC704 LEVEL DET
IC703 LEVEL DET
IC705 LEVEL DET
IC706 INVERTER
IC707 BUFFER
IC708 BUFFER
IC701 1.8V REG
IC702 OSC
IC850 AUDIO DAC
IC800 ADC
IC701 C0CBAAC00153
IC702 C0JBAB0000422
IC703 C0EBE0000548
IC704 C0EBF0000367
IC705 C0JBAZ001961
IC706 C0JBA8000422
IC707 C0JBAZ002062
IC708 C0JBAZ001961
IC850 C0FB8K000040
IC800 C0FBA6000014
SYS.CLK
GSYS.CLK
GPSRST
CAMRST
ATARST
CANRX
SYS.16.93
CDE
ADCLK
ADDATA
ADCS
VADDATA
GSYSCLK2
MAMI
MARST
SPICLK
ATA.D[0-15]
ATADIR
ATACS0
ATACS1
ATADMACK
ATADMARQ
ATAINT
ATAIORDY
ATAIOR
ATAIOW
ATA.A[0-2]
CSFX
CSFX
DMACK
IORDY
INTRQ
DIOR
DIOW
A.DA0
A.DA1
A.DA2
GND
RESET
IDMON
IRDX
To Navi Block 1/2 (a)
To Navi Block 1/2 (b)
To Navi Block 1/2 (c)
To Navi Block 1/2 (d)
To Navi Block 1/2 (e)
To Navi Block 1/2 (f)
To Navi Block 1/2 (g)
To Navi Block 1/2 (h)
To Navi Block 1/2 (i)
To Navi Block 1/2 (j)
To Navi Block 1/2 (k)
To Navi Block 1/2 (l)
To Navi Block 1/2 (m)
To Navi Block 1/2 (n)
To Navi Block 1/2 (o)
To Navi Block 1/2 (p)
To Navi Block 1/2 (q)
To Navi Block 1/2 (r)
To Navi Block 1/2 (s)
To Navi Block 1/2 (t)
To Navi Block 1/2 (u)
To Navi Block 1/2 (v)
To Navi Block 1/2 (w)
To Navi Block 1/2 (x)
To Navi Block 1/2 (y)
CN900
CN950
CN951
CN601
CN600
TO E-3130 CN850
TO E-3130 CN801
TO E-9578 CN2
TO E-9578 CN1
CN-D105T NAVI 2/2

To Optical Pick-up Ass'y

To Loading Motor

To Traverse Motor Spindle Motor

E-9578

IC101 RF AMP/ LD APC/ ERROR AMP

IC201 DSP

IC202 RESET

IC203 RESET

IC204 AND

IC205 1.8V REG

IC301 CPU

IC302 EEPROM

IC401 COIL/ MOTOR DRIVE

IC402 SPINDLE MOTOR DRIVE

The following symbols are shown on the schematic diagram.

10V	10V
5V	5V
3.3V	3.3V
1.8V	1.8V

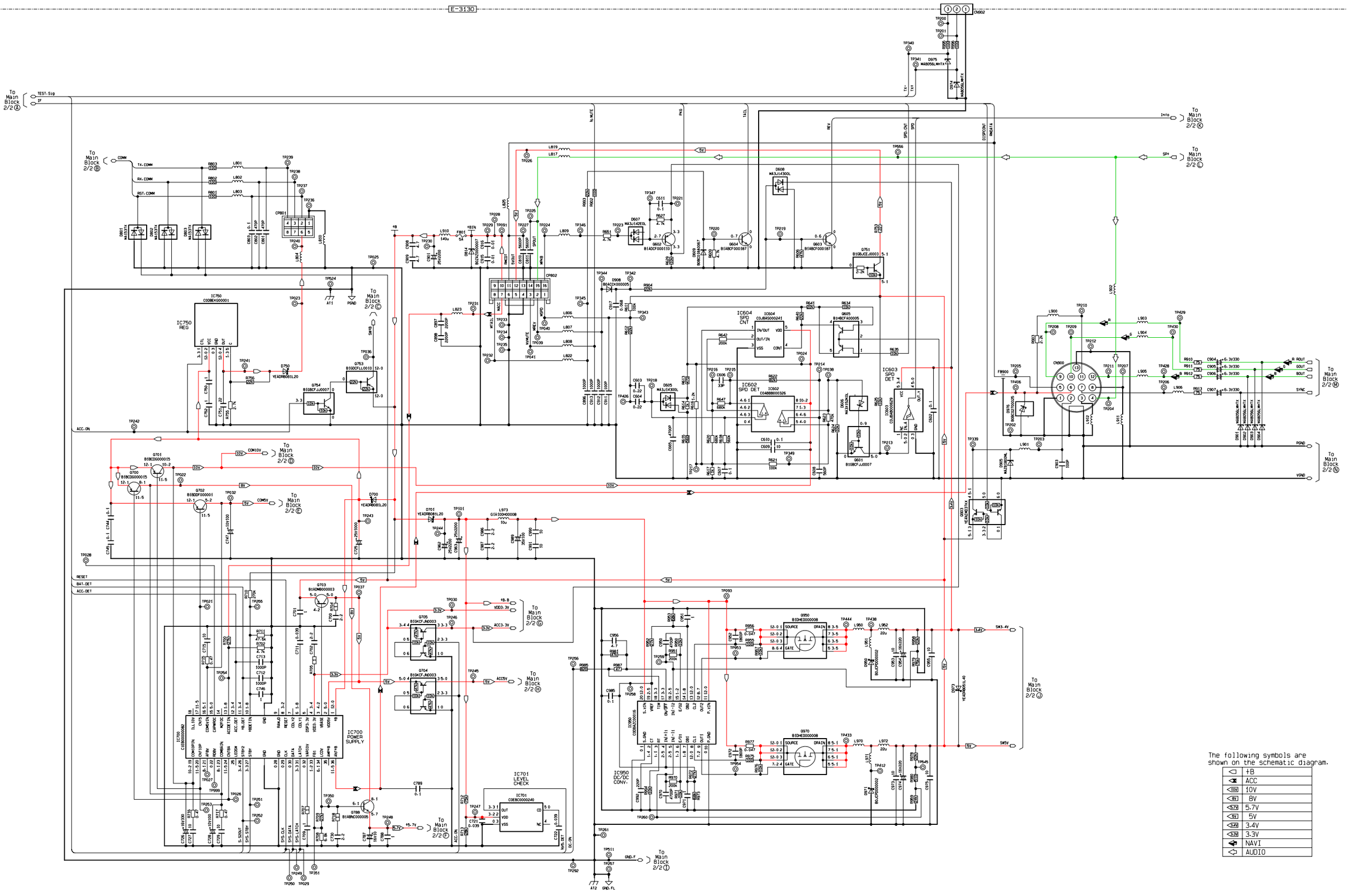
IC301

Wave form	Pin No.
2V/DIV-10uS/DIV	2PIN, 5PIN, 13PIN 26PIN, 35PIN
0.5V/DIV-0.2uS/DIV	23PIN
2V/DIV-1mS/DIV	77PIN
2V/DIV-10uS/DIV	84PIN

To Main P.C.B. 40P Connector

To Main P.C.B. 12P Connector

CN-D105T FD69043



The following symbols are shown on the schematic diagram.

+B	
ACC	
10V	
8V	
5.7V	
5V	
3.4V	
3.3V	
NAVI	
AUDIO	

E-3130

IC105 POWER AMP

IC112 INVERTER

IC851 REG

IC830 RGB ENCODER

IC895 BUFFER

IC893 F/B

IC894 F/B

IC870 PLL

IC880 F/B

IC180 2.5V REG

IC181 2.8V REG

PTK180 GPS PACK

IC850 REG

IC100 LPF/AMP

IC600 CPU

IC631 BUFFER

IC644 INVERTER

IC806 SHIFT TO 3V

IC807 TO 5V

IC401 REG

IC652 GYRO SENSOR

CN650

CN651

CN801

CN900

TO E-9673A CN950

TO E-9673A CN960

E-9609A

CN-D1057 MAIN 2/2

The following symbols are shown on the schematic diagram.

◁	+B	◁2.8V	2.8V
◁10V	10V	◁2.5V	2.5V
◁5.7V	5.7V	◀	GPS
◁5V	5V	◀	NAVI
◁3.4V	3.4V	◁	AUDIO
◁3.3V	3.3V		

The following symbols are shown on the schematic diagram.

5V	5V
3.3V	3.3V
1.5V	1.5V
GPS	GPS
NAVI	NAVI

IC300 SDRAM
C3ABG0000077

IC301 SDRAM
C3ABG0000077

IC350 FLASH MEMORY
YERMBP0006

IC704 LEVEL DET
C0EBF0000367

IC708 BUFFER
C0JBA2001961

IC700 CPLD
C12BZ0003200

IC701 1.8V REG
C0CBAAC00153

IC702 OSC
C0JBAB000420

IC703 LEVEL DET
C0EBE0000548

IC705 LEVEL DET
C0JBA2001963

IC706 INVERTER
C0JBAB000422

IC707 BUFFER
C0JBA2002062

IC850 AUDIO DAC
C0FBBK000040

IC800 ADC
C0FBAG000014

IC320 AND
C0JBAA000319

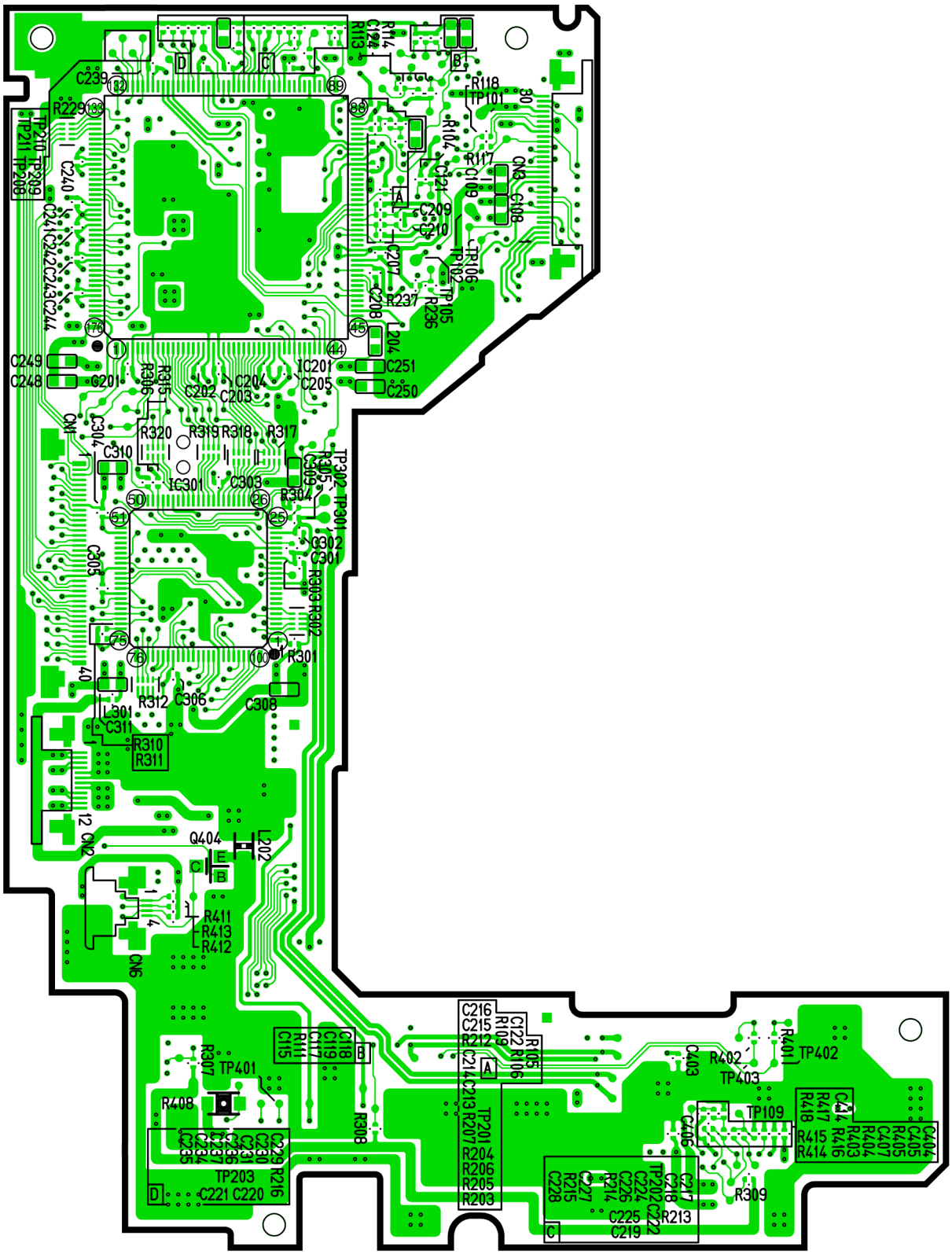
The following symbols are shown on the schematic diagram.

10V	10V
5V	5V
3.4V	3.4V
3.3V	3.3V
1.8V	1.8V
GPS	GPS
NAVI	NAVI
AUDIO	AUDIO

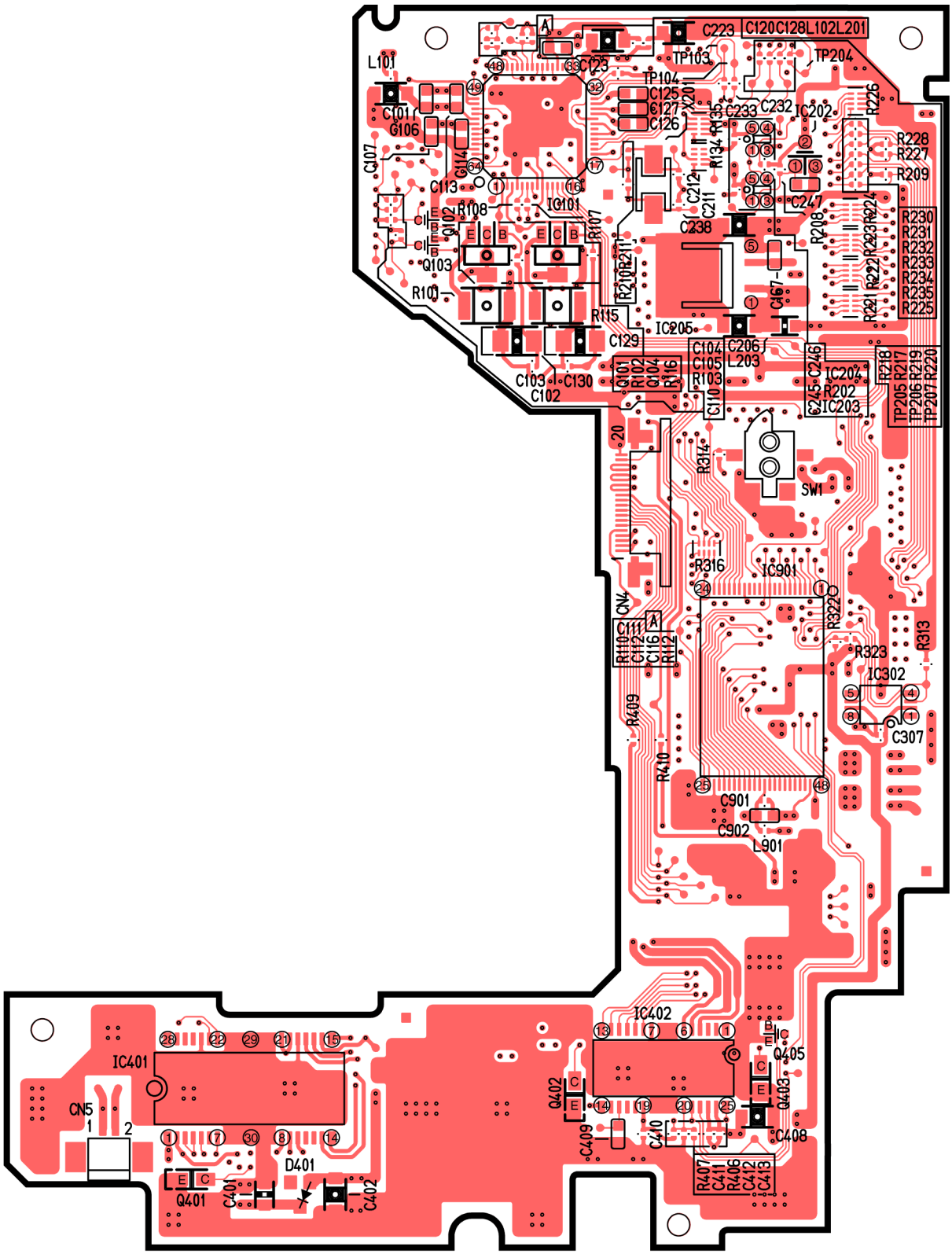
TO E-3130 CN801

TO E-9678 CN2

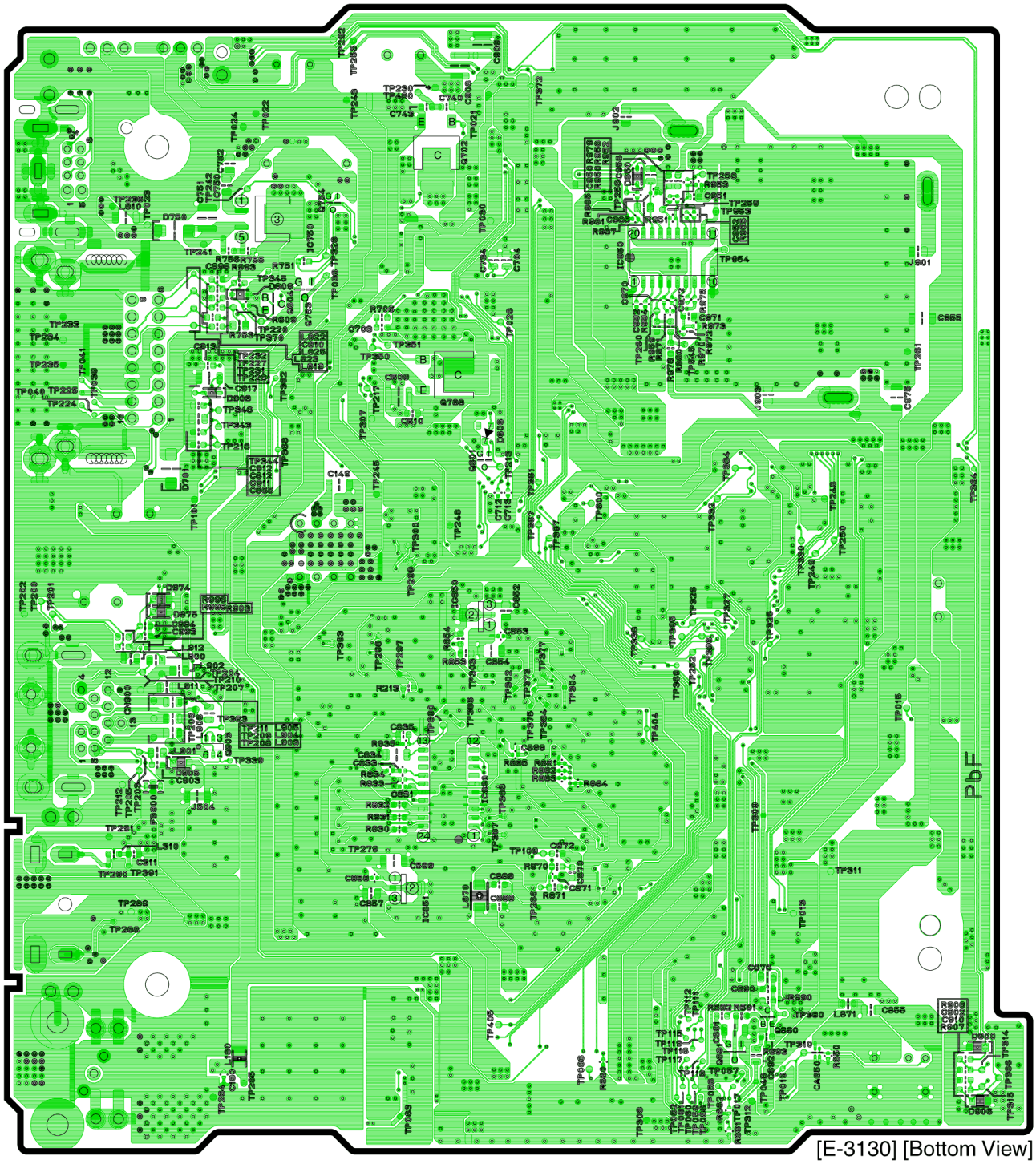
TO E-9578 CN1



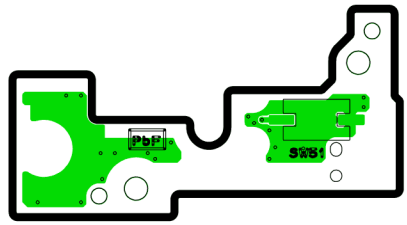
[E-9578] [Bottom View]



[E-9578] [Top View]

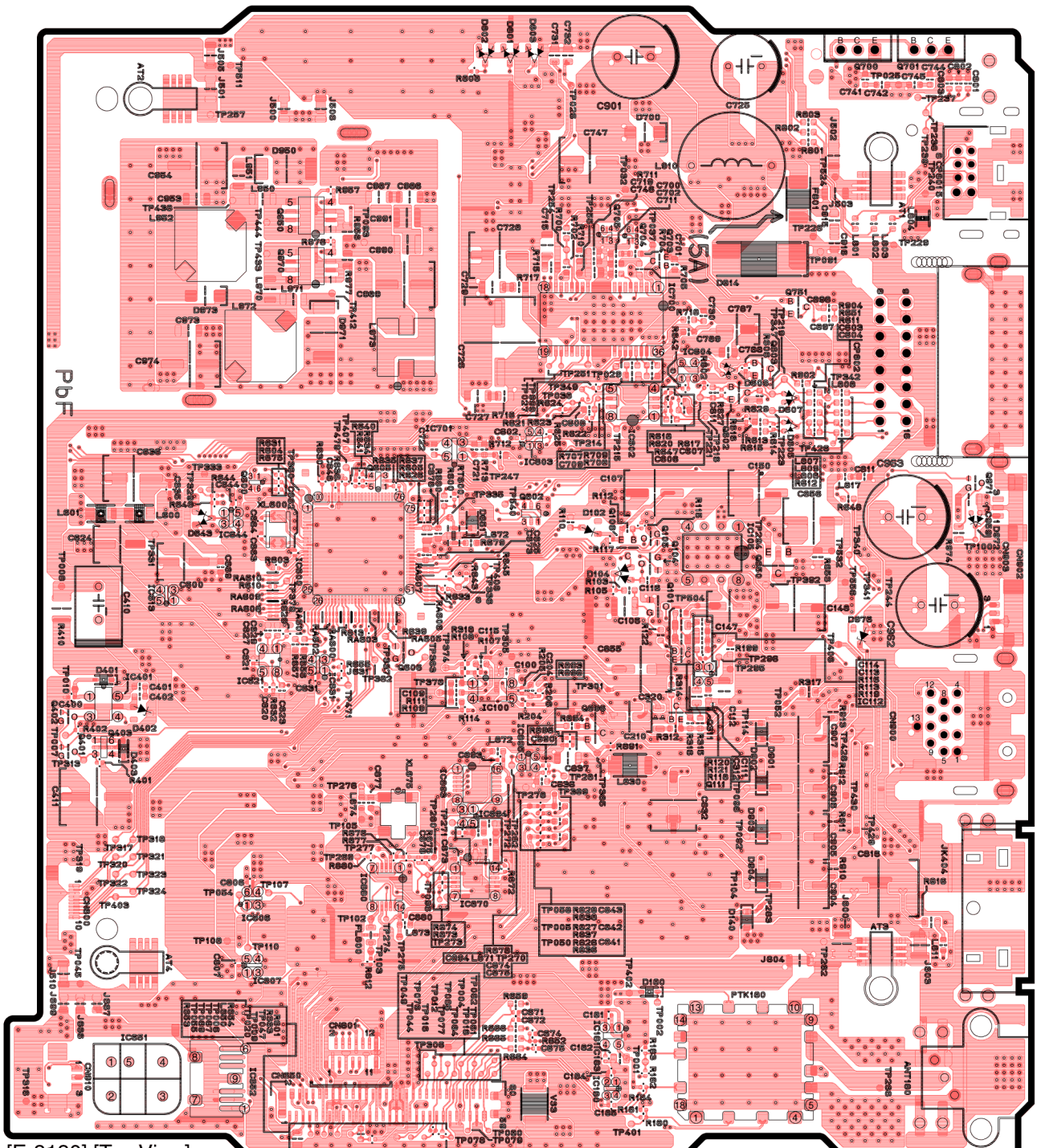


[E-3130] [Bottom View]

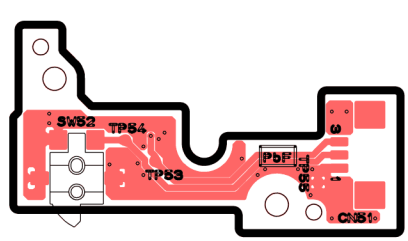


[E-9609A] [Bottom View]

CN-D105T MAIN/SW P.C.B

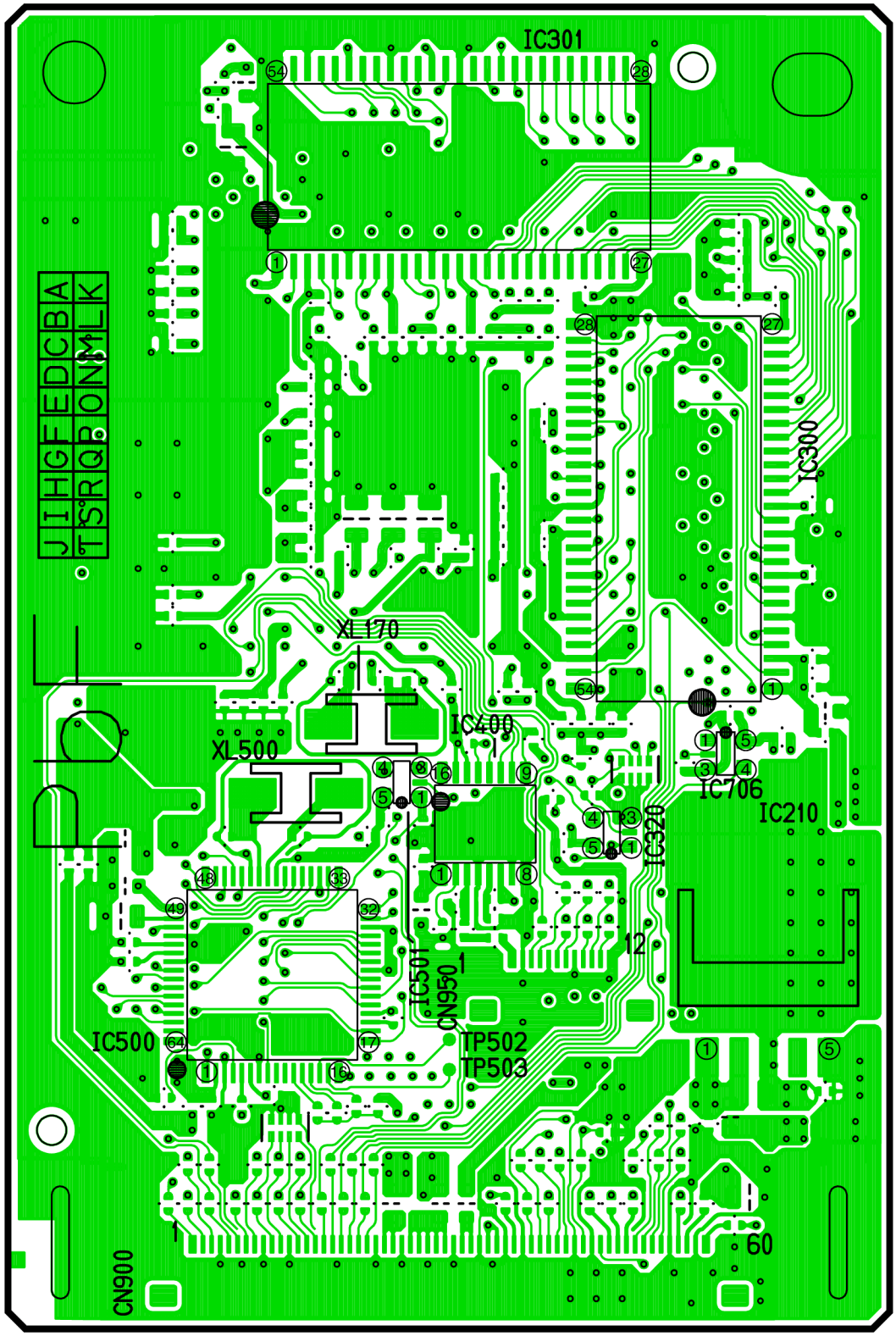


[E-3130] [Top View]

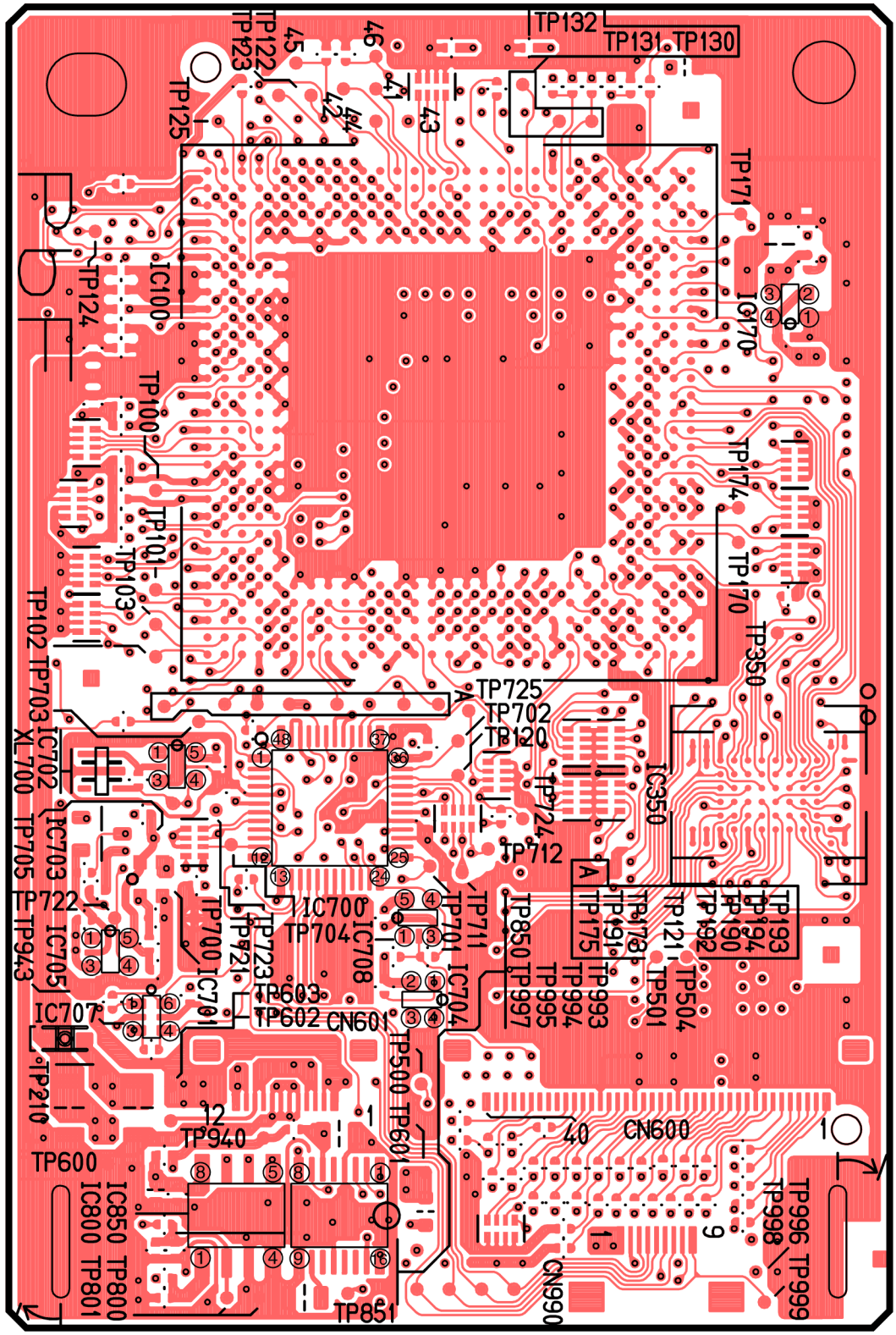


[E-9609A] [Top View]

CN-D105T MAIN/SW P.C.B



[E-9673A] [Bottom View]



[E-9673A] [Top View]

16.5. DVD Servo Block